



Plastic Slide Box

- 1) PSB100, Plastic Slide Box, 100 Slide Capacity
 - 2) PSB050, Plastic Slide Box, 50 Slide Capacity
 - 3) PSB025, Plastic Slide Box, 25 Slide Capacity
 - 4) PSB015, Plastic Slide Box, 15 Slide Capacity
 - 5) PSB010, Plastic Slide Box, 10 Slide Capacity
 - 6) PSB006, Plastic Slide Box, 6 Slide Capacity
 - 7) PSB005, Plastic Slide Box, 5 Slide Capacity
 - 5) PSB003, Plastic Slide Box, 3 Slide Capacity
 - 6) PSB002, Plastic Slide Box, 2 Slide Capacity
 - 7) PSB001, Plastic Slide Box, 1 Slide Capacity
- Color: Orange, White, Yellow, Blue and Green available.



Bare Handed Microtome

MCT01, Packaged in Foam Card Box with a Utility Knife



Bare Handed Microtome

MCT02, Packaged in Wooden Box, with a Razor Knife

MCT03 Rotary Microtome

Mainly used in for slicing animal and plant tissue . Adopting high precision lead screw and guide rail to ensure accurate section, it has advantages of easy operation, stable performance, favorite price and wide application.

- Technical Data:
- Section thickness: 1 – 25µm
 - Minimum setting value: 1µm
 - Maximum section size: 35 x 25mm
 - Horizontal specimen stroke: 35mm
 - Vertical specimen stroke: 46mm
 - Dimensions: 300 x 280 x 280mm
 - Net Weight: 22.5kg



MCT04 Rotary Microtome

Rotary Microtome improved in appearance and precision on the basis of microtome model MCT03. LCD show section counting, alarm system , Smooth-running hand wheel, Compact, ergonomic design

- Technical Data:
- Section thickness: 1 - 25µm
 - Minimum setting value: 1µm
 - Maximum section size: 35 x 25mm
 - Horizontal specimen stroke : 35mm
 - Vertical specimen stroke : 46mm
 - Dimensions: 335×350×300mm
 - Net Weight: 26.5kg



Pocket Size pH Meter

PH-03(I)
 Measuring Range: 0.00-14.00pH
 Resolution: 0.01pH
 Accuracy: ±0.1pH
 Working Temperature: 0°C~50°C
 Automatic Temperature Compensation: 0°C~50°C



Waterproof Pen-type pH Meter

PH-03(II)
 Measuring Range: 0.00-14.00pH
 Resolution: 0.01pH
 Accuracy: ±0.1pH
 Working Temperature: 0°C~50°C
 Automatic Temperature Compensation: 0°C~50°C



Pocket Size pH Meter

PH-009(I)
 Measuring Range: 0.0~14.0pH
 Resolution: 0.1pH
 Accuracy: ±0.2pH
 Operating Temperature: 0°C~50°C



Pocket Size pH Meter

PH-009(II)A
 Measuring Range: 0.0~14.0pH
 Resolution: 0.1pH
 Accuracy: ±0.1pH
 Working Temperature: 0°C~50°C
 Automatic Temperature Compensation: 0°C~50°C



Pocket Size pH Meter

PH-009(II)B
 Measuring Range: 0.00 ~ 14.00pH
 Resolution: 0.01pH
 Accuracy: ±0.1pH
 Working Temperature: 0°C~50°C
 Automatic Temperature Compensation: 0°C~50°C



Pen-Type pH Meter

PH-009(II)B
 Measuring Range: 0.00 ~ 14.00pH
 Resolution: 0.01pH
 Accuracy: ±0.1pH
 Temperature Compensation: 0°C ~50°C
 Operating Temperature: 0°C ~50°C
 With backlight



pH Meter With Temperature

PH-009(III)
 Measuring Range: 0.00-14.00pH, 0°C~50°C
 Resolution: 0.01pH, 0.1°C
 Accuracy: ±0.1pH, 1°C
 Working Temperature: 0°C~50°C
 Automatic Temperature Compensation: 0°C~50°C



Waterproof Handy pH Meter

PH-096
 Measuring Range: 0.00-14.00pH
 Resolution: 0.01pH
 Accuracy: ±0.01pH
 Working Temperature: 0°C~50°C
 Automatic Temperature Compensation: 0°C~50°C



Economical pH Meter

PH-98102
 Measuring Range: 0.00-14.00pH
 Resolution: 0.01pH
 Accuracy: ±0.2pH, and ±0.1pH at 20°C
 Working Temperature: 0°C~50°C



Pen-Type pH Meter

PH-98103
 Measuring Range: 0.00-14.00pH
 Resolution: 0.01pH
 Accuracy: ± 0.2 pH, and ± 0.1 pH at 20°C
 Working Temperature: 0°C~50°C



Pen-Type Automatic Calibration pH Meter

Art No:PH-618
 Measuring Range: 0.00 ~ 14.00PH,
 Temperature 0°C ~ 50°C (32°F ~ 122°F)
 Resolution: 0.01pH/ 0.1°C/ 0.2°F
 Accuracy: ± 0.03 pH/ ± 0.5 °C/ ± 0.1 °F
 Temperature Compensation: 0°C ~ 50°C
 Operating Temperature: 0°C ~ 50°C
 Calibration Method: Two point automatic calibration
 (Electrode changeable)
 Automatic turnoff in 4 minutes
 Waterproof Grade: IP65



Waterproof Pen-Type pH Meter

Art No:PH-037
 Measuring Range: 0.00 ~ 14.00pH
 Resolution: 0.01pH
 Accuracy: ± 0.1 pH
 Temperature Compensation: 0°C ~ 50°C
 Operating Temperature: 0°C ~ 50°C



Champ pH/ Temperature Tester

Art No:PH-081
 Measuring Range: 0.00 ~ 14.00PH,
 Temperature 0°C ~ 55°C
 Resolution: 0.01pH/ 0.1°C
 Accuracy: ± 0.1 pH/ ± 1.0 °C
 Temperature Compensation: 0°C ~ 50°C
 Operating Temperature: 0°C ~ 50°C



Fertility and pH meter

PH-100



Moisture Meter

PH-101



pH Meter

PH-102



Moisture Meter

PH-103



Two-Way Meter

PH-104
 Moisture and pH meter



Three-Way Meter

PH-105
 Moisture,Light and pH meter



Two-Way Meter

PH-106
 Moisture and pH meter

Pen Type Ph Meter PH-10 Series

Features:

1. With temperature probe and automatic temperature compensation
2. 1 to 3 points push-button calibration with auto buffer recognition (USA and NIST standards).
3. Auto-hold function freezes stable reading for easy viewing and recording.
4. System menu, the pH buffer standard, number of calibration points, Manual data lock,
5. Replaceable electrode module reduces maintenance and replacement cost.
6. Waterproof feature to ensure complete protection in harsh environments.



Technical Specifications:

Model No.	PH-100	PH-10	PH-100W	PH-10W
Range	0.00-14.00pH/0-50°C/32-122F			
Accuracy	± 0.02 pH/1°C/2F	± 0.1 pH/1°C/2F	± 0.01 pH/1°C/2F	± 0.1 pH/1°C/2F
Resolution	0.01pH/0.1°C/1F	0.1pH/0.1°C/2F	0.01pH/0.1°C/1F	0.1pH/0.1°C/2F
Calibration Points	3 points			
Calibration Solutions	USA (pH4.01/7.00/10.01) OR NIST (pH4.01/6.86/9.18)			
Temperature Compensation	0-50°C 32-122F			
Hold Function	Automatic			
Temperature Display	Display			
Date Lock	Manual locking			
Sensor Type	Internal		External	
Working Condition	0-50°C 32-122F			
Power supply type	LR44 batteries 4			



Economical Rugged PH/ORP Meter

Art No.: PH1300K

This PH/ORP meter has the latest high performance electronics ensuring the stable and accurate readings.

Characteristics:

1. Waterproof
2. Fully Shockproof
3. Hold Function
4. Automatic Temperature Compensation
5. Automatic Power Off
6. Large LCD Display

Technical Specifications:

Mode	PH	Voltage(mV)	Temperature
Range	0-14pH	-899.9~899.9	0-60°C/32-140F
Resolution	0.01pH	0.1mV	0.1°C (0.1F)
Accuracy	± 0.02 pH	± 1 mV	± 0.5 °C (± 0.9 F)
Responding Time	20s	20s	30s
Calibration Points	Up to 5 points		
Temperature Compensation	Auto (ATC) 0-60°C or 32-140°F		
Sensor Type	Plastic Electrode		
Working Condition	0-50°C 32-122F		
Power supply type	2xAAA Batteries		



Economical Rugged DO Meter

Art No.: DO1500K

This DO meter has the latest high performance electronics ensuring the stable and accurate readings.

Characteristics:

1. Waterproof
2. Fully Shockproof
3. Hold Function
4. Automatic Temperature Compensation
5. Automatic Power Off
6. Large LCD Display

Technical Specifications:

Resolution	0.1	0.01	0.1°C (0.1° F)
Accuracy	$\pm 1.5\%$ FS	$\pm 1.5\%$ FS	± 0.5 °C (± 0.9 F)
Responding Time	1 min		
Calibration Points	At most 2 points		
Temperature Compensation	Auto (ATC) 0-50°C or 32-122°F		
Sensor Type	Plastic Electrode		
Working Condition	0-50°C 32-140°F		
Power supply type	2xAAA Batteries		



Portable pH Meter

Art No:PH-3012
 Measuring Range: 0.00 ~ 14.00pH
 Resolution: 0.01pH
 Accuracy: ±0.1pH
 Temperature Compensation: 0°C ~ 50°C
 Operating Temperature: 0°C ~ 50°C
 In a plastic brief case



Microcomputer Digital pH Meter

Art No:PHS-3C
 Measuring Range: 0.00 ~ 14.00PH,
 mV: ±1999mV, Temperature: 0°C ~ 100°C
 Resolution: pH: 0.01pH, temperature: ±1°C
 Accuracy: ±0.01pH/ ±1.0°C
 Temperature Compensation: 0°C ~ 100°C
 (Manual compensation)
 Electrode: E201-C plastic composite electrode
 Operating Temperature: 0°C ~ 40°C and relative
 humidity<85%



Desktop pH Meter

Art No:PHS-25HZ
 Functions: pH / mV
 Measuring Range: (0.00 ~ 14.00) pH (0 ~ ± 1999) mV
 Resolution: 0.01pH/ 1mV
 Accuracy: ±0.05pH and ±10mV
 Temperature Compensation: (0 ~ 60) °C
 Stability: ± 0.01 pH/ 12h
 Ambient Temperature: (5 ~ 45) °C
 Relative Humidity: ≤ 85% RH
 Operating Temperature: (0 to 60) °C



Desktop pH Meter

Art No: PHS-3C-EN
 Functions:
 1.Large screen, LCD display,dual parameter
 2.Automatic buffer recognition and two-point calibration
 3.It has the function of manual temperature compensation.
 4.It is equipped with E-201-C pH combined electrode.
 Specifications:
 1.Measuring range:
 pH: (0.00 ~ 14.00)pH
 mV: (-1999 ~ 1999)mV; mV(automatic± polarity display)
 2.Resolution:
 pH: 0.01pH
 mV: 1mV
 3.Accuracy:
 pH: ±0.01pH±1 bit
 mV: ±0.1% (FS)
 4.Input impedance>=1×10¹² Ω
 5.Stability: (±0.01pH±1bit) /3h
 6. Temperature compensation range:
 Manual(0.0~60.0) °C



Desktop pH Meter

Art No:PHS-3C-HZ
 Functions: pH / mV
 Measuring range: (0.00~14.00) pH (0~± 1999) mV
 Resolution: 0.01pH/ 1mV
 Accuracy: ±0.01pH and ±1%FS
 Temperature Compensation: (0 ~ 60) °C
 Stability: ± 0.01 pH/ 12h
 Ambient Temperature: (5 ~ 45) °C
 Relative Humidity: ≤ 85% RH
 Operating Temperature: (0 to 60) °C



Microcomputer Digital pH Meter

Art No:PHS-3CW-HZ
 Measuring Range: 0.00 ~ 14.00PH,
 mV: ±1999mV, Temperature: 0°C ~ 100°C
 Resolution: pH: 0.01pH/ 0.1pH, temperature: ±1°C
 Accuracy: ±0.01pH/ ±1.0°C
 Temperature Compensation: 0°C ~ 100°C
 (Manual compensation)
 Electrode: E201-C plastic composite electrode
 Operating Temperature: 0°C ~ 40°C and relative
 humidity<85%
 Has the function of data storage.



Microcomputer Precision Conductometer

Art No:DDS-307-HZ
 Measurement Range of Conductivity: (0 ~ 199.9) μs/cm; (200 ~ 1999) μs/cm;
 (2 ~ 19.99) ms/cm; (20 ~ 199.9) ms/cm;
 Resolution: 0.1/1μs/cm; 0.01/0.1ms/cm;
 Accuracy: ± 1.0% FS
 Optional Electrode Constant: 0.1, 1, 10
 Temperature Compensation Range: 0 ~ 50 °C
 (manual / automatic) Temperature Coefficient: 2.0%/ °C
 Data Storage: 50 groups
 Storage Content : number, measurement,
 units of measurement and the temperature value
 Working Conditions: 5 ~ 35 °C in the relative humidity< 85%



Desktop Conductivity Meter

Art No: DDS-307A
 Functions:
 1.Large screen and LCD segmented display
 2.It functions as automatic and manual temperature compensation.
 3.If matched with the titanium alloy sensor of 0.01cm-1 and sealed measuring reservoir, it can test high purity water.
 4.It is equipped with DJS-1C conductancesensor (platinum black) and T-818-B-6 temperature sensor.
 Specifications:
 1.Measuring range:
 Conductivity: 0.00μS/cm~100μS/cm
 TDS: 0~1000 mg/L
 Temperature: 0.0~60.0 °C
 2.Accuracy:
 Conductivity: ±0.5%FS
 TDS: ±1.0%FS)
 Temperature: ±0.3°C±1 bit
 3.Stability: (±0.33%FS±1 digital) /3h
 4. Temperature compensation range:
 Manual/Automatic (0.0~40.0) °C
 5. Temperature compensation coefficient: 2%



DDS-307 Benchtop Conductivity Meter

Specifications:
 Conductivity Range: 0.001~2x10⁶uS/cm
 • Accuracy: ±1% of Full Scale
 • Temperature Range: 0-35°C
 • Power Requirements: DC 9V
 • Dimension: 210x205x80mm

Operating Conditions:
 • Ambient Temperature: 5~40°C
 • Relative Humidity: <85%
 • No disturbance of magnetic field or distinct tremble around instrument

Scale	Range	Electrode
2uS/cm	0.001~2uS/cm	DJS-1C Lucency
20uS/cm	0.01~20uS/cm	DJS-1C Lucency
200uS/cm	0.1~200uS/cm	DJS-1C Platinum Black
2mS/cm	0.001~2mS/cm	DJS-1C Platinum Black
20mS/cm	0.01~20mS/cm	DJS-1C Platinum Black
200mS/cm	0.1~200mS/cm	DJS-10C Platinum Black



Portable Dissolved Oxygen Meter

Art No: JPB-607A
 Functions:
 1.3 1/2 LCD display(blue backlight selectable)
 2.Automatic temperature compensation and quick response
 3.It supports zero oxygen and full scale calibration
 4.It is portable for easy use.
 5.It is equipped with DO-958-S dissolved oxygen sensor.
 Specifications:
 1.Measuring range
 Dissolved oxygen: (0.0~20.0)mg/L
 Temperature: (0.0~40.0)°C
 2. Accuracy:
 Dissolved oxygen: ±0.30 mg/L
 Temperature: ±0.5°C±1 digit
 3. Residual current<=0.10 mg/L
 4. Response time<=45s(90%respond at 20°C)
 5. Stability:(±0.10mg/L)/3h
 6. Salinity calibration range: (0.0~35.0)g/L
 7. Temperature compensation range:
 Automatic(0.0~40.0)°C



Portable pH Meter

Art No: PHB-4
 Functions:
 1.LCD backlight display
 2.Simultaneous display of pH value, temperature or mV (ORP)
 3.It has manual temperature compensation function and supports two-point calibration.
 4.Novel appearance, portable and easy operation
 5.It is equipped with E-201-C pH combined electrode.
 Specifications:
 1.Measuring range
 pH:(0.00~14.00)pH
 mV:(-1400~1400)mV
 2.Resolution
 pH:0.01pH
 mV:1mV
 3.Accuracy
 pH:±0.03pH±1bit
 mV:±0.2%FS
 4.Input impedance>=3×10¹⁰ Ω
 5.Stability: (±0.03pH± byte) /3h
 6.Range of temperature compensation:
 manual (0.0~60.0) °C



PH-016 Bench pH Meter		
Model	PH-016	
Measuring range	PH	0.00~14.00PH
	mV	0~±1999mV
	Temp	0~100°C
Accuracy	PH	±0.01pH
	mV	±0.1%F · S±1digit
	Temp	±0.4°C
Resolution	PH	0.01pH
	mV	1mV
	Temp	0.1°C
Environment	Temperature:0°C~50°C Humidity: ≤95%	
Display	4-digital LCD	
Power Supply	AC110V or AC 220V 50/60Hz	
Input Impedance	1012 Ohm	
Dimensions	240mmx185mmx100mm	
Weight	660g	



PH-016A Bench pH Meter	
Model	PH-016A
Range	0.00~14.00pH
Accuracy	±0.05PH
Resolution	0.01PH
Input Impedance	1012 Ohm
Calibration	Manual 2 point, through trimmer
Environment	Temperature: 0°C~50°C Humidity: ≤95%
Power Supply	AC 220V, DC6V
Dimensions	240mmx158mmx100mm



PH-013M Portable pH/mV/Temperature Meter		
Model	PH-013M	
Measuring range	PH	0.00~14.00PH
	mV	0~±1999mV
	°C	0~100°C
Resolution	PH	0.01PH
	mV	1mV
	°C	0.1°C
Accuracy	PH	±0.01pH
	mV	±0.1% F · S±1digit
	°C	±0.4°C
Display	4-digital LCD	
Power Supply	1x9V	
Environment	Temperature: 0°C~50°C Humidity: ≤95%	
Input Impedance	1012 Ohm	



Desktop PH Meter

Art No: PHS-25
 Functions: pH / mV
 Measuring range: (0.00 ~ 14.00) pH/(0 ~ ± 1999) mV
 Resolution: 0.01pH / 1mV
 Accuracy: ±0.05pH and ±10mV
 Temperature Compensation: (0 ~ 99) °C, manual



Digital PH Meter YKP61 Series

Product Description:
 With large screen LCD display, Blue back light Controllable, and elaborate appearance design, easy to carry.

- Features:**
- I. With intelligent functions of time display, fully automatic calibration, automatic power off, power-off protection, automatic calibration, automatic or manual temperature compensation, automatic diagnosis and etc.
 - II. Undervoltage prompt and automatic power off can extend battery life.
 - III. Optional 5 kinds of PH buffer solution can make 1-3 points automatic calibration.
 - IV. Can test PH value for ultrapure water, pure water and boiled water by adjusting equipotential point and special electrode.
 - V. Ability to store test result, cancel, view and print. Can store 1000 sets of data.
 - VI. With waterproof portable suitcase and folding holder, the level of protection for outer layer is IP67.
 - VII. Automatic identification of 12 kinds of PH standard buffer solution. There are USA, NIST and CH series of standard buffer solution for option. Custom solution calibration.
 - VIII. Automatic identification of 8 kinds of conductivity standard solution. There are USA and CH series of standard solution for option. Custom solution calibration.

Technical Specifications:

Model No.	YKP613	YKP612	YKP611	
Category	Basic features and specifications			
PH	Measuring range	(-2.00~19.99)pH	/	(-2.00~19.99)pH
	Resolution	0.1/0.01 pH	/	0.1/0.01 pH
	Accuracy	Meter: ±0.01pH; Overall: ±0.02pH	/	Meter: ±0.01pH; Overall: ±0.02pH
	Input impedance	≥1×1012 Ω	/	≥1×1012 Ω
	Stability	±0.01 pH/3h	/	±0.01 pH/3h
	Temp. compensation range	(0~100)°C (automatic)	/	(0~100)°C (automatic)
ORP	Measuring range (mV/ORP/EH)	-1999mV ~ 0 ~ 1999mV	/	-1999mV ~ 0 ~ 1999mV
	Resolution	1mV	/	1mV
	Accuracy	±0.1% FS	/	±0.1% FS
Conductivity	Measuring range	Conductivity: (0.00~19.99) μS/cm(20.0~199.9) μS/cm(200~1999) μS/cm(2.00~19.99)mS/cm(20.0~199.9)mS/cm TDS:(0~100)g/L Salinity: (0~100)ppt Resistivity: (0~100)MΩ·cm	Conductivity: (0.00~19.99) μS/cm(20.0~199.9) μS/cm(200~1999) μS/cm(2.00~19.99)mS/cm(20.0~199.9)mS/cm TDS: (0~100)g/L Salinity: (0~100)ppt Resistivity: (0~100)MΩ·cm	/
	Resolution	0.01/0.1/1μS/cm 0.01/0.1 mS/cm	0.01/0.1/1μS/cm 0.01/0.1 mS/cm	/
	Accuracy	±1.0% FS, Overall: ±1.5% FS	0.01/0.1/1μS/cm 0.01/0.1 mS/cm	/
	Temp. compensation range	(0 ~ 50)°C(manual)	(0 ~ 50)°C(manual)	/
	Electrode constant	0.1 / 1 / 10 cm-1	0.1 / 1 / 10 cm-1	/
Other Technical Parameters	Data storage	1000 groups		
	Power	Two AA batteries (1.5V x2)		
	Size and weight	(360×270×76)mm/1.6Kg		
Working Condition	Environment temperature	5~35°C (0.01grade)		
	Environmental humidity	≤85%	/	/
	IP rating	Ip57 Dustproof and waterproof	/	/



**Desktop PH Meter
PHS-3C-YK**

Product Description:

- I. Instrument level: 0.01 (level)
- II. pH: (-2.00~18.00)pH
- III. Low price, incredible value
- IV. Simple, effective.

Features:

- LED digital display
- Manual temperature compensation
- 1~2 point automatic calibration

Technical parameters		
MODEL	PHS-3C-YK	
PH	Range	0~14.00pH
	Resolution	0.01 pH
	Accuracy	±0.01pH±1digit
	Input resistance	≥1×10 ¹² Ω
	Stability	±0.01 pH±1digit/3h
Temperature compensation	(0~60)°C, manual	
	Range	-1999mV~0~1999mV
mV	Resolution	1mV
	Accuracy	±1mV±1digit
Temperature	Range	no
	Resolution	no
	Accuracy	no
Dimension and weight		(300×200×90)mm / 1.3kg



Art No.: PHS-3E-YK

Product Description:

PH Meter PHS-3E-YK Can test or show pH, temperature or mV, temperature, adopts two-point calibration.

Features:

- I. Large LCD with blue background can display both pH and temperature value at the same time.
- II. There is manual and automatic temperature compensation, which can be chosen. It needs to be equipped a temperature electrode if user wants automatic temperature compensation.
- III. Two point automatic calibration.

Technical parameters		
MODEL	PHS-3E-YK	
PH	Range	0~14.00pH
	Resolution	0.1/0.01 pH
	Accuracy	±0.01pH±1digit
	Input resistance	≥1×10 ¹² Ω
	Stability	±0.01 pH±1digit/3h
Temperature compensation	(0~100)°C, manual	
	Range	-1999mV~0~1999mV
mV	Resolution	1mV
	Accuracy	±1mV±1digit
Temperature	Range	(0~99.9)°C
	Resolution	0.1°C
	Accuracy	±0.3°C±1digit
Dimension and weight		(300×200×90)mm / 1.5kg



Hand-Held Refractometer

REF003 Measuring Range: 0-32% Brix	REF004 Measuring Range: 28-62% Brix
REF005 Measuring Range: 0-45% Brix	REF006 Measuring Range: 28-62% Brix
REF007 Measuring Range: 0-90% Brix	REF008 Measuring Range: 0-80% Brix, 2 ranges: 0-50% and 50%-80%
REF009 Measuring Range: 58-92% Brix	REF011 Measuring Range: 0-100% Salinity
REF012 Measuring Range: 0-28% Salinity	REF013 Measuring Ranges: 0-35% Brix/0-28% Salinity

Digital Refractometer DRB/S Series

Art No: REF001

1. DRB series Digital Refractometer for Brix are developed for working with sugar related liquids (fruit juices, soft drinks, wine), help monitor and control sugar concentration in foods and beverages.
2. The DRS series are developed for measuring the concentration of ketchup, mayonnaise, pickle juice, salt water and brine. The DRS series proves themselves invaluable for agriculture, food processing and wildlife management.

Features:

1. Temperature Measurement Range: 0°C-40°C (32-104°F)
2. Precision of Measurement temperature: ±1°C(2°F)
3. Measurement temperature Resolution: 0.1°C
4. Operation Temperature: 0-35°C (32-90°F)
5. Storage temperature: 0-50°C (32-122°F)
6. Dimension: 185×59×45mm
7. Weight: 230g
8. Power Supply: 1battery (9v)
9. Operating Time: More than 2000 times per battery
10. Automatic Temperature Compensation
11. Automatic Shut Off
12. Conversion between Centigrade and Fahrenheit Degree
13. Alarm of Low Voltage



Technical Specifications:				
Order No.	Scale	Range	Div.	Accur.
DRB0-45	Brix	0-45%	0.10%	±0.2%
	Brix	0-45%	0.1%	±0.2%
DRB0-45nD	Refractive Index	1.3330-1.4098	0.0001	±0.0003
	Brix	28-65%	0.10%	±0.2%
DRB28-65	Brix	28-65%	0.1%	±0.2%
	Refractive Index	1.3770-1.4535	0.0001	±0.0003
DRB28-65nD	Brix	58-92%	0.10%	±0.2%
	Brix	58-92%	0.1%	±0.2%
DRB58-92	Brix	58-92%	0.0001	±0.0003
	Refractive Index	1.4370-1.5232	0.0001	±0.0003
DRB58-92nD	Brix	0-35%	0.1%	±0.2%
	Salinity	0-28%	0.1%	±0.2%
DRBS-300	Refractive Index	1.3330-1.3900	0.0001	±0.0003
	Salinity	0-28%	0.10%	±0.2%
DRS0-28	Salinity	0-28%	0.1%	±0.2%
	Refractive Index	1.3330-1.3900	0.0001	±0.0003
DRS0-28nD	Brix	0-35%	0.1%	±0.2%
	Salinity	0-28%	0.1%	±0.2%
RS0-28	Brix	0-35%	0.1%	±0.2%
	Refractive Index	1.3330-1.3900	0.0001	±0.0003



Portable Digital Refractometer

Art No: REF002 series

- Any Brix / Salinity measuring ranges available upon request Multi scale measurement
- Temperature Measurement Range: 0°C ~ 40°C (32°F ~ 104°F)
- Precision of Temperature Measurement: ±0.5°C/ ±1.0°F
- Automatic Temperature Compensation
- Automatic power off
- Dual temp. conversion
- Low voltage warning
- Weight: 200g
- Dimension: 135×65×40mm

Technical Specifications:				
Order No.	Scales	Ranges	Divisions	Accuracy
DBR35	BRIX / RI	0~35% / 1.3330~1.3900	0.1 / 0.0001	±0.2 / ±0.0003
DBR45		0~45% / 1.3330~1.4098		
DBR65		28~65% / 1.3770~1.4535		
DBR92		58~92% / 1.4370~1.5233		
DBR85		0~85% / 1.3330~1.5100		
DBR95		0~95% / 1.3330~1.5400		
DHN1	BRIX / BAUME / WATER (IHC2002) / RI	58~92% / 38~34 / 13~25 / 1.4370~1.5233	0.1 / 0.1 / 0.1 / 0.0001	±0.2 / ±0.1 / ±0.1 / ±0.0003
DHN12	BRIX / BAUME / WATER (GB) / RI	58~92% / 38~34 / 17~27 / 1.4370~1.5233		
DSA1	SALINITY / RI	0~28% / 1.3330~1.3900	1 / 0.0001	±0.2 / ±0.0003
DSA2	Sea water SG	0~100PPT / 1.000~1.070		



Digital Refractometer DR Series

Art NO: REF014

Portable instrument, DR series refractometer using linear CMOS sensor with high precision and great repeatability.

The shell of the product is made of high-performance waterproof material, also has the function of anti-falling and anti-knock. The product has low power consumption; one No.7 battery could measure more than 15000 times.

This product is small and portable with low price, it suitable for daily health care, food and beverage industry procurement, medical care, automotive and other industries.

The shell of the product is made of high-performance waterproof material, also has the function of anti-falling and anti-knock. The product has low power consumption; one No.7 battery could measure more than 15000 times.

This product is small and portable with low price, it suitable for daily health care, food and beverage industry procurement, medical care, automotive and other industries.

Features:

Measure Time: 3S

Protection Class: Ip65

Environment Temperature: 0~50°C(32~144°F)

Sample Volume Needed: >0.2ml

Power Supply: 1×AAA battery

Dim/G.W: 58(W)×25(D)×121(H)mm, 90g(excluding battery)



Digital Refractometer IR Series

Art NO: REF015

The handheld IR series digital refractometer has remarkable power efficiency, database and IP65 rated.

Specification	Order No.						
	IR200B	IR200B1	IR200B2	IR200B3	IR280B	IR280D	
Measuring range	nD						1.3300-1.7000
	Brix	0.0-95.0%	0.0-35.0%	25.0-65.0%	55.0-95.0%	0.00-10.00%	0.0-95.0%
Resolution	nD						0.0001
	Brix	0.10%			0.01%		0.10%
Reproducibility	nD						±0.0002
	Brix	±0.2%			0.1%		±0.2%
Temperature range						5-90°C	
Temperature resolution						0.1°C	
Interface						RF wireless module	
Display						Color LCD	
Database	100 groups data			1000 groups data			
Prism						Hard glass	
Voltage	AA alkaline battery x 2, Approx 15,000 measurements(using new batteries)						

Series	Order No.	Scale's Name	Scale's No.	Range	Resolution	Accuracy
Brix%	DR-101	Brix	S01	0.0~50.0%	0.10%	±0.2%
		Refractive Index°	S02	1.3330~1.4200nD	0.0001nD	±0.0003nD
	DR-102	Brix	S01	0.0~90.0%	0.10%	±0.2%
		Refractive Index°	S02	1.3330~1.5177nD	0.0001nD	±0.0003nD
	DR-103	Dextran	S01	0.0~10.6%	0.10%	±0.2%
		Refractive Index	S02	1.3330~1.4200nD	0.0001nD	±0.0003nD
	DR-104	Fructose	S01	0.0~68.9%	0.10%	±0.2%
		Refractive Index	S02	1.3330~1.5177nD	0.0001nD	±0.0003nD
	DR-105	Glucose	S01	0.0~59.9%	0.10%	±0.2%
		Refractive Index	S02	1.3330~1.5177nD	0.0001nD	±0.0003nD
	DR-106	Lactose	S01	0.0~16.5%	0.10%	±0.2%
		Refractive Index	S02	1.3330~1.4200nD	0.0001nD	±0.0003nD
	DR-107	Maltose	S01	0.0~15.6%	0.10%	±0.2%
		Refractive Index	S02	1.3330~1.4200nD	0.0001nD	±0.0003nD
Salinity	DR-201 (sodium chloride NaCl)	Salinity	S01	0.0~28.0%	0.10%	±0.2%
		Salinity	S02	0~280‰	1‰	±2‰
		Specific gravity	S03	1.000-1.217	0.001	±0.002
		Refractive Index	S04	1.3330~1.4200nD	0.0001nD	±0.0003nD
	DR-202 (sea water)	Salinity	S01	0~100‰	1‰	±2‰
		Chlorinity	S02	0~57‰	1‰	±2‰
		Specific gravity	S03	1.000-1.070	0.001	±0.002
		Refractive Index	S04	1.3330~1.4200nD	0.0001nD	±0.0003nD
Honey	DR-301	Brix	S01	0.0~90.0%	0.10%	±0.2%
		Water	S02	38.0%-5.0%	0.10%	±0.2%
		Be'	S03	33.0-48.0	0.1	±0.2%
		Refractive Index	S04	1.3330~1.5177nD	0.0001nD	±0.0003nD
Wine	DR-401	Brix%	S01	0.0-50.0%	0.10%	±0.2%
		%VOL ap	S02	0.0-22.0%	0.10%	±0.2%
		Oe	S03	0-150	1	±2%
		KMW	S04	0.0-25.0	0.1	±0.2



Abbe Refractometer WAY-2W

Art No: REF017



Abbe Refractometer WAY-2WS

Art No: REF018



Abbe Refractometer 2WAJ

Art No: REF019

Model	WAY-2W	WAY-2WS	2WAJ
Refractive Index(nD) Range	1.300~1.700	1.300~1.700	1.300~1.700
Refractive Index (nD) Accuracy	±0.0003	±0.0003	±0.0002
Refractive Index (nD) Min.Div.	0.0005	0.0005	0.0005
Brix (%) Range	(0~95)%	(0~95)%	(0~95)%
Brix (%) Min.Div.	0.25%	0.25%	0.25%
Size (mm)	150x150x300	150x150x300	90x190x250
Weight (KG)	4.9	4.9	3



Abbe Digital Refractometer

Art No: REF020

Characteristics

Measurement of refractive index nD of transparent or translucent liquid and solid substances.

Measurement of the Brix of sugar solution.

Visual aim and LCD display
Automatic correction of the effect of temperature on the Brix. Printer interface for direct data print-out.

Specifications

Measurement range:
Refractive index nD: 1.3000-1.7000 Dissolved Solids Brix: 0-95%

Accuracy:

Refractive index nD: ≤ ±0.0002 ,
Dissolved Solids Brix: ≤ ±0.1%
Temperature Range (Min. 0.1°C) : 0-50°C



PC Digital Refractometer
Art No.: REF021

It has more functions than a handheld refractometer and is more cost-effective than a desktop unit.

Special Features:

- Connect PC via USB interface
- Wide measurement range from 1.3300 – 1.5318 nD; 0-95% Brix
- High precision 0.1% Brix
- Automatic temperature compensation (ATC)
- Temperature display
- Alarm of low voltage
- Automatic shutoff
- Working temperature 5-35°C (41-95°F)

Technical Specifications:

Art No.	REF021.01			REF021.02			REF021.03		
Type	Range	Res.	Accuracy	Range	Res.	Accuracy	Range	Res.	Accuracy
Brix	0-95.0%	0.10%	±0.1%	0-60.0%	0.10%	±0.1%	45.0-95.0%	0.10%	±0.1%
nD	1.3330-1.5318	0.0001	0.0002	1.3330-1.4419	0.0001	0.0002	1.4098-1.5318	0.0001	0.0002
Temperature	0-40 °C	0.1°C	±0.1%	0-40°C	0.1°C	±0.1°C	0-40°C	0.1°C	±1°C
	32-140° F	0.1° F	±2° F	32-140° F	0.1° F	±2° F	32-140° F	0.1° F	±2° F
Salinity	-	-	-	0-28%	0.10%	±0.1%	-	-	-



Pocket Digital Refractometer
Art No.: REF022

It has more functions than a handheld refractometer and is more cost-effective than a desktop unit.

Special Features:

- Connect PC via USB interface
- Wide measurement range from 1.3300–1.5318 nD;0-95% Brix
- High precision 0.1% Brix
- Automatic temperature compensation (ATC)
- Temperature display
- Alarm of low voltage
- Automatic shutoff
- Working temperature 5-35°C (41-95°F)

Technical Specifications:

Series	Order No.	Scale's Name	Range	Resolution	Accuracy
Sugar	REF022-101	Brix	0-60%	0.10%	±0.2%
		nD	1.3330-1.4420	0.0001	±0.0003
	REF022-102	Brix	40-95%	0.10%	±0.2%
		nD	1.4000-1.5320	0.0001	±0.0003
	REF022-103	Brix	0-95%	0.10%	±0.2%
		nD	1.3330-1.5320	0.0001	±0.0003
	REF022-104	Sucrose(Brix)	0-95%	0.10%	±0.2%
		nD	1.3330-1.5320	0.0001	±0.0003
		Dextran	0-10.60%	0.10%	±0.2%
		Fructose	0-68.90%	0.10%	±0.2%
Glucose		0-59.90%	0.10%	±0.2%	
Lactose		0-16.50%	0.10%	±0.2%	
Salt	REF022-201 (sodium chloride)	Maltose	0-15.60%	0.10%	±0.2%
		Salinity	0-28%	0.10%	±0.2%
		Salinity	0--280‰	1‰	±2‰
		Specific Gravity	1.000-1.217	0.001	±0.002
	REF022-202 (sea water)	nD	1.3330-1.3900	0.0001	±0.0003
		Salinity	0--100‰	1‰	±2‰
		Chlorinity	0--57‰	1‰	±2‰
		Specific Gravity	1.000-1.070	0.001	±0.002
nD	1.3330-1.3530	0.0001	±0.0003		



Pocket Digital Refractometer
Art No.: REF023

It features a fast readout and easy to use.

Special Features:

- Wide measurement range
- High precision
- Automatic temperature compensation (ATC)
- Alarm of low voltage
- Stainless steel sample plate

Technical Specifications:

Types	Order No.	Scale's Name	Range	Accuracy
Sugar	CDR-101	Brix	0-65%	±0.2%
	CDR-102	Brix	0-65%	±0.2%
		nD	1.3330-1.4535	±0.0003
	CDR-111	Brix	40-95%	±0.2%
	CDR-112	Brix	40-95%	±0.2%
		nD	1.3990-1.5320	±0.0003
	CDR-151	Brix	0-95%	±0.2%
	CDR-152	Brix	0-95%	±0.2%
		nD	1.3330-1.5320	±0.0003
	CDR-153	nD	1.3330-1.5320	±0.0003
Salt	CDR-201	Salinity	0-28%	±0.2%
	CDR202	Salinity	0-28%	±0.2%
		nD	1.3330-1.3900	±0.0003
	CDR203	Salinity	0-280‰	±2‰
Clinical	CDR-301	Urine SP. G.	1.000-1.050	±0.002
	CDR302	Urine SP. G.	1.000-1.050	±0.002
		Serum P.	-0.1-12.0	±0.2
Wine	CDR-401	nD	1.3330--1.3900	±0.0003
		Brix	0.0-35.0%	±0.2%
		VOL ap	0.0-22.0%	±0.2%
		Oe	003-150	±2
Honey	CDR-601	KMW	0.0-25.0	±0.2
		Water	38% - 5%	±0.2%
		Be'	33 - 48	±0.4%
	CDR-602	nD	1.4400--1.5320	±0.0003
		Brix	60-92%	±0.2%
		Water	38% - 5%	±0.2%
		Be'	33 - 48	±0.4%
		nD	1.4400--1.5320	±0.0003



KLL-280 Series TDS / Conductivity Meter

Technical parameters				
Model No.	KLL-288	KLL-289	KLL-282	KLL-283
Measuring Range	0~1999μS/cm	0~19.99mS/cm	0~1999ppm	0~19.99ppt
Accuracy	±2%F·S	±2%F·S	±2%F·S	±2%F·S
Resolution	1μS/cm	0.01mS/cm	1ppm	0.01ppt
Automatic Temperature Compensation	0°C~50°C			
Environment	Temperature:0°C~50°C; Humidity:≤95%			
Power Supply	4×1.5V(AG13)			



KLL-980 Series Conductivity / TDS Meter

This series meter has one-touch calibration, hold function, low battery alert and LCD backlight functions.

Technical parameters				
Model No.	KLL-988	KLL-989	KLL-982	KLL-983
Measuring Range	0~1999μS/cm	0~19.99mS/cm	0~1999mg/L (ppm)	0~19.99g/L (ppt)
Accuracy	±2%F·S	±2%F·S	±2%F·S	±2%F·S
Resolution	1μS/cm	0.01mS/cm	1mg/L(ppm)	0.01g/L(ppt)
Display	4-digit LCD with Backlit			
Automatic Temperature Compensation	0°C~50°C			
Environment	Temperature:0°C~50°C; Humidity:≤95%			



KLL-1390 Series Conductivity / TDS Meter

Technical parameters		
Model No.	KL-1393	KL-1394
Measuring range	0~19.99g/L(ppt)	0~19.99mS/cm
Accuracy	±2%F·S	±2%F·S
Resolution	0.01g/L(ppt)	0.01mS/cm
Display	4-digit LCD	
Environment	Humidity: ≤95%	
Automatic Temperature Compensation	0°C~50°C	
Power Supply	2×3V(CR2032 Battery)	



Wood Moisture Meter

Art No: MD7820
 Moisture measuring Range: 2%~40%, 2%~50%, 2%~60%, 2%~70%
 Resolution: 0.5%
 Temperature measuring Range: -10~60°C (14~140°F)
 Accuracy: ±2°C (±4°F)
 Resolution: 1°C (2°F)
 Date hold function.
 Low power symbol automatic indication.



Grain Moisture Meter

Art No:MD7822
 Moisture Measurement Range: 2% ~30%
 Maximum Error: ±(1%Rh+0.5)
 Resolution: 0.5%
 Temperature Measurement Range: -10°C~60°C
 Ambient Temperature: -10°C~40°C
 Ambient Humidity: 0 ~70%Rh



Wood Moisture Meter

Art No: GM610
 Measuring Range:2~40%/50%/60%/70%
 Resolution:0.5%
 Temperature Range:-10~60°C
 Humidity Range:20%RH~90%RH
 Moisture Response Speed: <1s
 Measuring Error:±1%
 Display:LCD



Wood Moisture Meter

Art No: MD812
 Digital large size LCD display
 Measuring Range: 5%~40%
 Accuracy: 1%
 Date and value hold
 Low power indication and
 2 pins or 4 pins sensor for option



Wood Moisture Meter

Art No: MD912
 Measuring Range: 2%~60%
 Resolution: 0.5%
 Date and value hold
 Low power indication and
 2 pins or 4 pins sensor for option



Paper Moisture Meter

Art No: MG916
 It uses the microcomputer(CPU) technique to measure quickly and accurately.
 Digital intelligent MCU paper moisture meter can work on 4 types of paper(carton, copperplate paper, writing paper, newsprint) through the spring contact.
 Test Range: 2%~40%
 Accuracy: 0.5%
 Date hold function
 Low power indication.



Moisture Analyzer DSH-A Series

Product Description:
 This series with high resolution lattice LCD back light, and adopting high precision thermal sensor. Halogen heating drying, and short test time.

- Features:**
- 1.The supper high resolution back window matrix liquid crystal display(LCD), marking it easier to operate in the dark place, and the user will have more comfortable vision.
 - 2.Touch-tone chain plate makes the operation easier.
 - 3.The high precision heat insulation type sensor makes temperature for data acquisition reliable.
 - 4.The use of halide torch for heating and curing makes warming more rapidly and test time shorter.
 - 5.In the process of test ,the dry state can be directly confirmed to speculate the finish time.
 - 6.It is equipped with automatic peeling function, can measure immediately and continuously, and also measure accurately through the zero drift correction.
 - 7.Installed with RS232 interface inside, the products can be directly connected to computer and printers etc.
 - 8.The halogen drying method moisture analyzer can test the free water content of chemical raw materials, grain,mineral, biological product, food, pharmaceutical raw materials, paper, textile raw materials, etc.

Technical Parameters:						
Model.	DSH-10A	DSH-50A-5	DSH-50A-1	DSH-50A-10	DSH-100A-1	DSH-100A-2
Weighing Range(g)	10	50	50	50	100	100
Rcadability	10mg	5mg	1mg	10mg	1mg	1mg
Repeatability(3g samples)	0.5%	0.3%	0.2%	0.5%	0.3%	0.2%
Minimum Sample Amount	0.5					
Advised Sample Amount	3-10g					
Heat up time	1-99minutes, 1 munutes interval					
Temperatue Program	Standard					
Terminal Control	Timing, Automatic					
Heating Temperature Range	50-180 degrees					
Showing Content	Moisture%, Solid%, Weight, Time, Data, etc					
Pan Size	100mm					
Overall Dimension	265x160x150					
Heating Source	Halide Torch					

Halogen Moisture Analyzer YJ-100W Series

Model	YJ-105W	YJ-102W	YJ-100W
Range(g)	110	110	110
Readability(g)	0.005	0.002	0.001
Operating Temp. Range	5°C-35°C		
Display	LCD		
Calibration	External		
Pan size (mm)	Φ90		
Dimensions (WxLxH)	200x180x380		
Weight (Kg)	5.8		
Heat source	Halogen lamp		
Temp. sensor	PT-100		
Temp. range	40°C-199°C		
Temp. step	1°C		
Moisture range	0.00%-100%		
Moisture readability	0.01%		
Dry residual range	100.00%-0.00%		
Dry residual readability	0.01%		
ATRO	100%-999%		
ATRO	0%-999%		
Temperature setting	40°C-199°C by 1°C step		
Time setting	1-99min by 1 s step		
Autostop	0.1%-9.9% within 1 min		
Number of storage	15		
Heater	200V ± 15% 50Hz 115V ± 15% 400W		
Balance	External power supply Output: 9V Input: 200V ± 15% 50Hz		



Halogen Moisture Analyzer



Melting-Point Apparatus

Art No: WRS-1A
Measurement of melting point is one of the important methods of measurement of purity to be used in the production of medicines, dyestuffs, perfumes and other organic crystal substances. Photoelectric test. LED display.

Specifications:
Melting-point measurement range: room temperature -300° C
Minimum digital display: 0.1° C
Linear heating-up rate: 0.2/0.5/1/1.5/2/3/4/5 °C/min
Accuracy: 10% (< 200°C); 15% (200-300°C)
Power: 220V/50Hz



Viscometer

Art No: NDJ-5S
1. Measurement range: 10 mPa•s~100000mPa•s
2. Spindle: No.1~No. 4, total four spindles
3. Rotation speed: (6、12、30、60)r/min
4. Measuring accuracy: ±1% (F•S)
5. Power supply: AC 220 V±10%, 50 Hz±10 % (12V adapter)
6. Working environment: Ambient temp.: 5 °C~35 °C, Relative humidity: ≤ 80%

Portable Whiteness Meter WSB Series

Art NO: WSB01
WSB series digital display whiteness meter is mainly applied to white or almost white whiteness measurement on the surface of the object or powder. Can be accurately obtained consistent with the visual sensitivity of whiteness value. Paper opacity can be measured accurately.

Model	WSB01-1	WSB01-1Y
Measuring range	0-199.9	
Whiteness formula	Blu-ray whiteness WB=R457	Blu-ray whiteness WB=R457、Fluorescent whitening degree F
The light source	LED	
Measuring the aperture	Φ 15	
Resolution	0.1	
Zero drift	≤0.2/10min	
Drift value	≤0.3/3min	
Measurement repeatability	≤0.3	
The environment temperature	+5°C ~ +35°C	
Relative humidity	≤85%RH	
Power supply	AC/DC.	
Packaging	Portable aluminum alloy box	



Portable Digital Turbidity Meter WGZ01 Series

Art NO: WGZ01
Series of WGZ01 scatter light turbidity meter is used to measure suspended in water or in transparent liquid insoluble particulate matter produced by scattering, and the contents of suspended particles. Can be widely used in power plant, pure water plant, sewage treatment plant, waterworks beverage factory, the environmental protection department, industrial water, wine industry and pharmaceutical industry, epidemic prevention, hospitals and other departments of turbidity measurement.

Model	WGZ01-B	WGZ01-1B	WGZ01-200B
The measurement	90° scattered light		90° scattered light
Minimum value (NTU)	0.1		0.01/0.1
Measuring range (NTU)	0-200		0-20/0-200
Error value	±8% (±2.5%FS)		
Heavy after sex	≤1%		
Zero drift	±1%FS		

Digital Bench Turbidity Meter WGZ02 Series

Art NO: WGZ02
This precise turbidity meter using scattered light principle is generally used to adopt international standard solution. The instrument is suitable for use in water plant, water treatment plants, swimming pool, water recycling, food and beverage industry, etc.

Model	WGZ02-1S	WGZ02-1A	WGZ02-200	WGZ02-800
The measurement	90° scattered light			
Minimum shown (NTU)	0.01	0.1	0.01、0.1	0.01、0.1、1
Measuring van (NTU)	0~20	0~200	0~20、0~200	0~20、0~200、0-800
Error value	±2.5%FS			
Repeatability	1.5%FS			
Zero drift	±0.8%FS			





Digital Sound Level Meter

DSM01
 Measuring Range: 40~130dB
 Accuracy: ±2dB
 Frequency Range: 31.5Hz-8.5kHz
 Linearity Range: 30dB
 Auto Power Shut Off: ✓
 Low Battery Indication: ✓
 Max Hold Function: ✓
 Digit & Resolution: 4 Digits & 0.1dB
 Microphone: 1/2 Inch Electret Condenser
 Sampling Frequency: 2 times/sec
 LCD Size: 30x50mm
 Operating Temperature and Humidity:
 0°C to 40°C (32 to 104°F) 0 to 70% RH.



Digital Sound Level Meter

DSM02
 Frequency range: 125Hz to 8KHz
 Measuring range: 35-130dB
 Display: 3 1/2 digits LCD display
 Resolution: 0.5dB
 Sampling time: 0.5 second
 Time Waiting: FAST 125ms
 SLOW 1 second
 Measuring ranges:
 Range 1: (30) 32dB to 70 dB
 Range 2: 60dB to 100 dB
 Range 3: 90dB to 130 dB
 Accuracy: ±2dB(94dB@1kHz)
 MAX hold: "MAX"
 Operating environment:
 Temperature: 0-40°C (32-104°F)
 Relative humidity: <90%RH



Solar Power Meter

Art No: SM206
 Selectable from two units: W/m2 and Btu
 Range: 0.1-399.9 W/m2, 1-3999 W/m2, 0.1-399.9 Btu/ (ft2-h) , 1-3999 Btu/ (ft2-h)
 Resolution: 0.1W/m2, 0.1 Btu/ (ft2-h)
 Error Range: ± 10W/m2 [±3 Btu/ (ft2-h)] or ±5% of the measured value
 Temperature Error: ±0.38W/m2 / °C [±0.12 Btu/ (ft2-h) / °C] deviation at 25°C
 Sampling Time: 0.5 second
 Peak & data hold function



Photo Tachometer (Laser)

Art No: DT2234C
 5 digits 18mm (0.6") LCD
 Accuracy: ±(0.05%+1 digit) of reading
 Sampling Time: 0.5sec (over 120RPM)
 Memory: Max. value, Min. value, Last value
 Measuring Range: 2.5~99,999RPM
 Resolution: 0.1RPM From:(2.5~999.9RPM)
 1RPM From:(over 1,000RPM)
 Detecting Distance: 50~500mm
 Time Base: 6MHz Quartz crystal
 Time Base Accuracy: 10x10-6(0~50°C)



Digital Sound Level Meter

DSM03
 This unit is designed according to following standards:
 ----A. International electrician committee standard:
 IEC PUB 651 TYPE2
 ----B. US national standard: ANSI S1.4 TYPE2
 Measuring range: 30~130 dBA
 Accuracy: ±1.5 dB
 Digit & Resolution: 4 digits & 0.1 dB
 Frequency response: 31.5Hz ~8.5KHz
 Frequency weighting characteristic: A
 Sampling rate: 2times/second
 Microphone: 1/2 inch polarization capacitance microphone Max reading
 Automatic backlight
 Low battery indication
 Automatic power off



Digital Luxmeter

Art No: LXM1010B
 3 1/2 digits 18mm LCD
 Range: 1~50,000Lux
 Accuracy: ≤10,000Lux, ±(4%rdg+0.5%fs)
 >10,000Lux, ±(5%rdg+10 digit)
 Resolution: 1Lux
 Repeatability: ±2%
 Temperature Characteristic: ±0.1%/°C
 Sampling Time: 0.5second
 Photo detector: one silicon photo diode with filter



Oxygen Meter

Art No.: OGM803
 Measuring Range: 0~25%vol
 Accuracy: ±0.1%
 Resolution: 0.1%
 Alarming Limit: Adjustable
 Alarming Format: Sound,light and vibration



Carbon Dioxide Meter

Art No.: CDM806
 Measuring Range: 0~10000ppm
 Accuracy: ±3%FS
 Resolution: 1ppm
 Alarming Limit: Adjustable
 Alarming Format: Sound,light and vibration



Digital Luxmeter

Art No: LXM1010BS
 3 1/2 digits 18mm LCD
 Range: 1~100,000Lux
 Accuracy: ≤10,000Lux, ±(4%rdg+10 digit)
 >10,000Lux, ±(5%rdg+10 digit)
 Resolution: 1Lux
 Repeatability: ±2%
 Temperature Characteristic: ±0.1%/°C
 Sampling Time: 0.5second
 Photo detector: one silicon photo diode with filter



Digital Luxmeter

Art No: LXM1020BS
 3 1/2 digits 18mm LCD
 Range: 0.1~40,000Lux
 Accuracy: ≤10,000Lux, ±(4%rdg+10digit)
 >10,000Lux, ±(5%rdg+10digit)
 Resolution: 0.1Lux
 Repeatability: ±2%
 Temperature Characteristic: ±0.1%/°C
 Sampling Time: 0.5 second
 Photo detector: one silicon photo diode with filter



Clinometer

Art No:CLM01
 Easily calculate the height of any tall object using this one-piece clinometer.
 Simply aim, squeeze the trigger and view the angle of inclination and use some simple math and you have the height.



Geiger Counter

Art No:GGC-02
 This instrument is used for detecting the existence of radiative particles and measuring the intensity of the rays. When it works, three kinds of its output units, sound, flasher and counter will act synchronously. It is very easy to operate.



Hand Tally Counter,4 Digits

Art No: HTC01



Digital Luxmeter

Art No: LXM1030
 Measuring range:
 0Lux~200,000Lux/0Fc~185,806Fc
 Accuracy: ±3% rdg±0.5%fs. (<10,000Lux)
 ±4% rdg±10dgs. (>10,000Lux)
 Digital Updates:2 times / s
 Operating temperature and humidity:
 0°C ~ 40°C, 10%RH ~ 90%RH
 After 5 minute auto power off
 Backlight function



Digital Luxmeter

Art No: LXM1330B
 3 1/2 digits 18mm LCD
 Range: 0.1~200,000Lux/0.01~20,000FC
 Accuracy: ≤20,000Lux, ±(3%rdg+10digit)
 >20,000Lux, ±(5%rdg+10digit)
 Resolution: 0.1Lux
 Repeatability: ±2%
 Temperature Characteristic: ±0.1%/°C
 Sampling Time: 0.5second
 Date hold, peak hold
 Display in Lux and FC switchable



Measuring Wheel

Detailed information:
 Measuring range: 0-99999.9m/ft
 Wheel dia: 318mm
 Product length: 1020mm
 Folded length: 520mm

Art No.: MWL01

Art No.: MWL02

Art No.: MWL03

Art No.: MWL04



Digital Micrometer

Art No:DMM25
Measuring Range: 0-25mm
Accuracy: 0.001mm



Micrometer

Art No:MM25-A
Measuring Range: 25mm
Resolution: 0.01mm



Micrometer

Art No:MM25-B
Measuring Range: 25mm
Resolution: 0.01mm
Best Quality



Precision Measuring Set

Art No:PMS01
Contains four high quality measuring instruments- a 0-25x0.01mm micrometer,a 90° knife edge square, a 150x0.05mm vernier caliper, and a 150mm steel ruler.



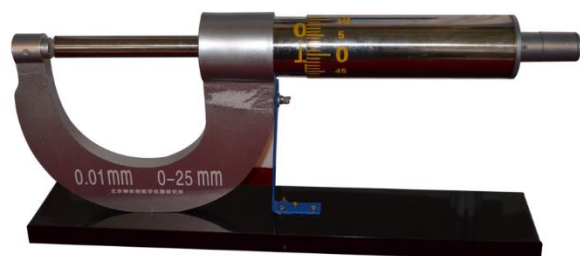
Precision Measuring Set

Art No:PMS02
Contains four high quality measuring instruments- a 0-25x0.01mm micrometer,a 90° knife edge square, a 150x0.05mm vernier caliper, and a 150mm steel ruler.



3 Meter Tape Measure

Art No:TM3M
This tape is marked in both English and metric. The bright yellow steel tape retracts with a simple push of a button.



Micrometer Demonstrator

Art No: MM25-D
Its enlarged design can show students all details of how to use a micrometer



Vernier Caliper Demonstrator

Art No: VCD01
Its enlarged design can show students all details of how to use a vernier caliper



Precision Measuring Set of Micrometers 3 in 1

Art No:PMS03
Micrometers: 0-25mm, 25-50mm and 50-75mm



Precision Measuring Set of Micrometers with Display 3 in 1

Art No:PMS04
Micrometers: 0-25mm,25-50mm and 50-75mm



Precision Measuring Set of Micrometers 4 in 1

Art No:PMS05
Micrometers: 0-25mm,25-50mm, 50-75mm and 75-100mm



Vernier Caliper

Art No:VC150
Measuring Range: 150mm
Resolution: 0.02mm



Dial Vernier Caliper

Art No:VC-D150
Measuring Range: 150mm
Resolution: 0.02mm



Digital Caliper

Art No:DVC150
Measuring Range: 150mm(6")
Resolution: 0.01mm/0.005"
Made of hardened stainless steel



Mechanical Stop Clock

Art No: STC01



Double Mechanical Stop Clock

Art No: STC02



Digital Stop Clock

Art No: STC03



Timer Clock

Art No: STC04



Digital Caliper

Art No: DVC150.02
Measuring Range: 150mm(6")
Resolution: 0.01mm/0.005"
Made of hardened stainless steel



Digital Caliper

Art No: DVC150.02
Measuring Range: 150mm(6")
Resolution: 0.1mm/0.01"
Made of carbon fiber composites



Vernier Caliper

Art No:VC150P
Measuring Range: 150mm
Resolution: 0.02mm
Made of metal, plastic coated



Double Mechanical Stop Watch

Art No: STC05



Double Mechanical Stop Clock

Art No.: STC06 Chess Clock



Double Mechanical Stop Clock

Art No.: STC07 Chess Clock



Mechanical Stopwatch

Art No:MSW01
Resolution: 1/10 second
Minutes: 15 minutes/cycle
Seconds: 30 second/cycle
Hours: 6H Pause: None



Mechanical Stopwatch

Art No:MSW02
Resolution: 1/5 second
Minutes: 30 minutes/cycle
Seconds: 60 second/cycle
Hours: 6H Pause: None



Mechanical Timer 60'

MTM01
Size: 7 X 7cm



MTM02
Size: 6 x 6cm



Sand Clock, 3 Minutes

Art No: MTM04
Size: Diameter 5 x 8 cm



Lever Balance

Art No:LEV-01



Lever Balance

Art No:LEV-02



Stopwatch

DSW01



DSW02



Stopwatch

DSW03



DSW04



Stopwatch

Art No:DSW005
1/100th second,
split time



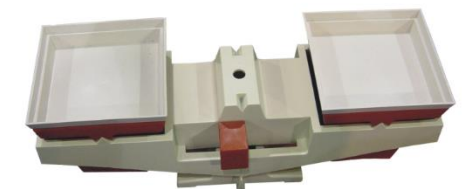
Stopwatch

Art No:DSW006
1/100th second,
split time



Lever Balance

Art No:LEV-03



Lever Balance

Art No:LEV-06



Stopwatch

Art No:DSW007
1/100th second,
split time



Stopwatch

Art No:DSW008
1/100th second,
split time and
10 memories
Water Resist
Grade: 3 ATM



Stopwatch

Art No:DSW009
1/100th second,
split time
Water Resist
Grade: 3 ATM



Stopwatch

Art No:DSW010
1/100th second,
split time
Water Resist
Grade: 3 ATM



Stopwatch

Art No:DSW011
1/100th second,
split time



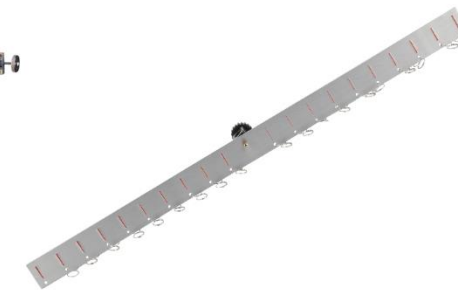
Stopwatch

Art No:DSW012
1/100th second,
split time
Water Resist
Grade: 3 ATM



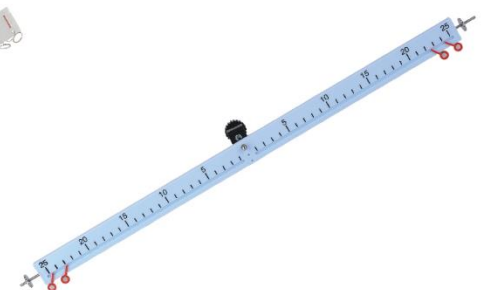
Lever Balance

Art No:LEV-07
Made of wood



Lever with Hooks

Art No:LEV-09



Lever with Hooks

Art No:LEV-10



Stopwatch

Art No:DSW013
1/100th second,
split time
Water Resist
Grade: 3 ATM



Stopwatch

Art No:DSW014
1/100th second,
split time
Water Resist
Grade: 3 ATM



Stopwatch

Art No:DSW015
1/100th second,
split time
Water Resist
Grade: None



Stopwatch

Art No:DSW016
1/100th second,
split time



Stopwatch

Art No:DSW017
1/1000th second,
split time and
100 memories
Water Resist
Grade: 3 ATM



Stopwatch

Art No:DSW018
1/100th second,
split time
Water Resist
Grade: 3 ATM



Lever Balance

Art No:LEV-08
Made of plastic, numbered



Lever Support and Knife Edge Lever Clamp

Art No:LEV-11



Kitchen Scale

Art No:KSC-01
Capacity: 1kg
Sensitivity: 5g



Kitchen Scale

Art No:KSC-02
Capacity: 2kg
Sensitivity: 10g



Kitchen Scale

Art No:KSC-03
Capacity: 3kg
Sensitivity: 25g



Kitchen Scale

Art No:KSC-04
Capacity: 5kg
Sensitivity: 40g



Double Beam Balance

Art No:MB2000
Double Beam Balance
Capacity: 2000g, sensitivity: 0.1g
With magnetic damping system
Pan size: Diameter 150mm



Kitchen Scale

Art No: SF-400A
1.Capacity: 500g Division: 0.1g
2.Capacity: 1000g Division: 0.1g
3.Capacity: 3000g Division: 0.5g
4.Capacity: 5000g Division: 1g
5.Capacity: 7000g Division: 1g
Unit: g/oz



Kitchen Scale

Art No: SF-400
1.Capacity: 500g Division: 0.1g
2.Capacity: 1000g Division: 0.1g
3.Capacity: 3000g Division: 1g
4.Capacity: 5000g Division: 1g
5.Capacity: 7000g Division: 1g
Unit: g/oz



Kitchen Scale, Dual Scale

Art No:KSC-05
Capacity: 5kgs/11 lb
Sensitivity: 40g/0.1 lb



Table Balance

Art No:JPT-01
Capacity: 100g with weight
Divison: 0.1g



Table Balance

Art No:JPT-02
Capacity: 200g with weight
Divison: 0.2g



Table Balance

Art No:JPT-05
Capacity: 500g with weight
Divison: 0.5g



Table Balance

Art No:JPT-10
Capacity: 1000g with weight
Divison: 1g



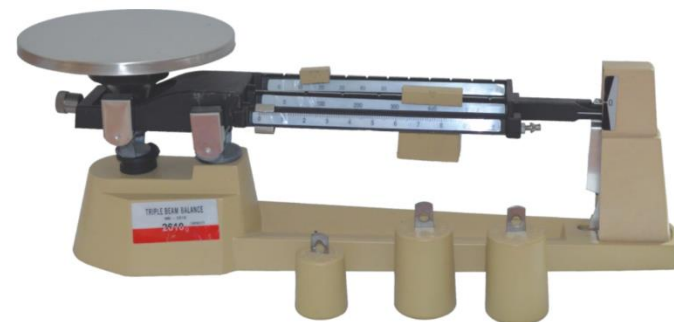
Table Balance

Art No:JPT-20
Capacity: 2000g with weight
Divison: 2g



Quadruple Beam Balance

Art No:MB311
Capacity: 311g,sensitivity: 0.01g
With magnetic damping system
Pan size: diameter 150mm



Triple Beam Balance

Art No:MB2610
Double Beam Balance
Capacity: 2610g, sensitivity: 0.1g
Pan size: diameter 150mm



Digital Pocket Scale

Art No: DPS500
Capacity: 500g
Division: 0.1g



Digital Bathroom Scale

Art No: YJ-2003A
Capacity: 150kg/330lb
Division: 0.1kg/0.2lb
Diameter: 33cm
Thickness: 6mm



AT-150S

Electronic Weighing Scale with Height Gauge

Art No:ZT-150S
Capacity: 150kgs



Weighing Scale with Height Gauge

Art No:ZT-120
Capacity: 120kgs
Weight Division: 0.5kg
Height Division: 0.5cm

Art No:ZT-160
Capacity: 160kgs
Weight Division: 0.5kg
Height Division: 0.5cm

ZT-120/ZT-160



EBL1001 ~ EBL20001 Series



EBL1002 ~ EBL20002 Series

Electronic Balance (EBL1001 ~ EBL20001 Series)

Art No.	EBL1001	EBL2001	EBL4001	EBL5001	EBL10001	EBL12001	EBL20001
Capacity	100g	200g	400g	500g	1000g	1200g	2000g
Readability	100mg	100mg	100mg	100mg	100mg	100mg	100mg
Reproducibility	±0.2g	±0.2g	±0.2g	±0.2g	±0.2g	±0.2g	±0.2g
Pan Size	Diameter 110mm	Diameter 110mm	Diameter 110mm	Diameter 130mm	Diameter 130mm	Diameter 130mm	Diameter 130mm
Power Supply	220V or 110V	220V or 110V	220V or 110V	220V or 110V	220V or 110V	220V or 110V	220V or 110V

Electronic Balance (EBL1002 ~ EBL20002 Series)

Art No.	EBL1002	EBL2002	EBL3002	EBL5002	EBL6002	EBL10002	EBL20002
Capacity	100g	200g	300g	500g	600g	1000g	2000g
Readability	10mg	10mg	10mg	10mg	10mg	10mg	10mg
Reproducibility	±0.02g	±0.02g	±0.02g	±0.02g	±0.02g	±0.02g	±0.02g
Pan Size	Diameter 110mm	Diameter 110mm	Diameter 110mm	Diameter 130mm	Diameter 130mm	Diameter 130mm	Diameter 130mm
Power Supply	220V or 110V	220V or 110V	220V or 110V	220V or 110V	220V or 110V	220V or 110V	220V or 110V



EBL1001-G ~ EBL20001-G Series



EBL1003-G ~ EBL3003-G Series

Electronic Balance (EBL1001-G ~ EBL20001-G Series)

Art No.	EBL1001-G	EBL2001-G	EBL4001-G	EBL5001-G	EBL6001-G	EBL10001-G	EBL12001-G	EBL20001-G
Capacity	100g	200g	400g	500g	600g	1000g	1200g	2000g
Readability	100mg	100mg	100mg	100mg	100mg	100mg	100mg	100mg
Reproducibility	±0.1g	±0.1g	±0.1g	±0.1g	±0.1g	±0.1g	±0.1g	±0.1g
Pan Size	Diameter 110mm	Diameter 110mm	Diameter 110mm	Diameter 130mm	Diameter 130mm	Diameter 130mm	Diameter 130mm	Diameter 130mm
Power Supply	220V or 110V	220V or 110V	220V or 110V	220V or 110V	220V or 110V	220V or 110V	220V or 110V	220V or 110V

Electronic Balance (EBL1003-G ~ EBL3003-G Series)

Art No.	EBL1003-G	EBL2003-G	EBL3003-G
Capacity	100g	200g	300g
Readability	1mg	1mg	1mg
Reproducibility	±0.002g	±0.002g	±0.002g
Pan Size	Diameter 80mm	Diameter 80mm	Diameter 80mm
Power Supply	220V or 110V	220V or 110V	220V or 110V



EBL1002-G ~ EBL20002-G Series



HC-D-2001 ~ HC-D-20001 Series

Electronic Balance (EBL1002-G ~ EBL20002-G Series)

Art No.	EBL1002-G	EBL2002-G	EBL3002-G	EBL5002-G	EBL6002-G	EBL10002-G	EBL20002-G
Capacity	100g	200g	300g	500g	600g	1000g	2000g
Readability	10mg	10mg	10mg	10mg	10mg	10mg	10mg
Reproducibility	±0.02g	±0.02g	±0.02g	±0.02g	±0.02g	±0.02g	±0.02g
Pan Size	Diameter 110mm	Diameter 110mm	Diameter 110mm	Diameter 130mm	Diameter 130mm	Diameter 130mm	Diameter 130mm
Power Supply	220V or 110V	220V or 110V	220V or 110V	220V or 110V	220V or 110V	220V or 110V	220V or 110V

Electronic Balance HC-D Series 0 – 2000g

Art No.	HC-D-2001	HC-D-3001	HC-D-4001	HC-D-5001	HC-D-6001	HC-D-10001	HC-D-20001
Capacity	200g	300g	400g	500g	600g	1000g	2000g
Readability	0.1g						
Pan Size	Φ 130mm						
Power Supply	220V/ 110V						



HC-C2-2001 ~ HC-C2-30001 Series



HC-C1-1003 ~ HC-C1-30002 Series

Electronic Balance HC-C2 Series 0 – 3000g

Art No.	HC-C2-2001	HC-C2-3001	HC-C2-4001	HC-C2-5001	HC-C2-6001	HC-C2-10001	HC-C2-20001	HC-C2-30001
Capacity	200g	300g	400g	500g	600g	1000g	2000g	3000g
Readability	0.1g							
Pan Size	Φ 130mm							
Power Supply	220V/ 110V							
Output Interfacing	RS232C optional							

Electronic Balance HC-C1 Series 0 – 2000g

Art No.	HC-C1-1003	HC-C1-2003	HC-C1-2002	HC-C1-3002	HC-C1-5002	HC-C1-6002	HC-C1-10002	HC-C1-20002
Capacity	100g	200g	200g	300g	500g	600g	1000g	2000g
Readability	1mg	1mg	10mg	10mg	10mg	10mg	10mg	10mg
Pan Size	Φ 130mm							
Power Supply	220V/ 110V							



JA-1103 ~ JA-5003 Series

Electronic Balance JA Series 0 – 510g

Art No.	JA-1103	JA-2103	JA-3003	JA-3103	JA-5003
Capacity	110g	210g	300g	310g	500
Readability	1mg				
Pan Size	Φ90mm				
Power Supply	220V/ 110V				
Output Interfacing	Rs232				



FA-1004 ~ FA-2104 Series

Electronic Balance FA Series 0 – 210g

Art No.	FA-1004	FA-1104	FA-1204	FA-2004	FA-2104
Capacity	100g	110g	120g	200g	210g
Readability	0.1mg				
Pan Size	Φ80mm				
Power Supply	220V/ 110V				
Output Interfacing	Rs232				



Red YP-1002 ~ YP-20002



Green

Electronic Balance YP Series 0 - 2000g

Model #	YP-1002	YP-2002	YP-3002	YP-5002	YP-6002	YP-10002	YP-20002
Capacity	0-100g	0-200g	0-300g	0-500g	0-600g	0-1000g	0-2000g
Readability	0.01g						
Repeatability	±0.02g						
Pan Size	143*192mm						
Output	110V/220-240V AC						



B-11001 ~ B-51001 Series

Electronic Balance B Series 0 – 5100g

Art No.	B-6101	B-11001	B-20001	B-21001	B-31001	B-51001
Capacity	610g	1100g	2000g	2100g	3100g	5100g
Readability	0.1g					
Pan Size	160×160mm					
Power Supply	220V/ 110V					
Output Interfacing	Rs232 optional					



C-1102 ~ C-21002 Series

Electronic Balance C Series 0 – 1100g

Art No.	C-2102	C-3102	C-5102	C-11002	C-21002
Capacity	210g	310g	510g	1100g	2100g
Readability	10mg				
Pan Size	Φ130mm				
Power Supply	220V/ 110V				
Output Interfacing	RS232 optional				



TD-B-30001 ~ TD-B-50002 Series

Electronic Balance TD-B Series 0– 5000g

Art No.	TD-B-30001	TD-B-50001	TD-B-30002	TD-B-50002
Capacity	3000g	5000g	3000g	5000g
Readability	0.1g	0.1g	0.01g	0.01g
Pan Size	155X143mm			
Power Supply	battery operated			
Selectable Weighing Units	g, oz, ct			



Red YP-10001 ~ YP-50001 Series
Green

Electronic Balance YP Series 0– 5000g

Art No.	YP-5001	YP-10001	YP-15001	YP-20001	YP-30001	YP-50001
Capacity	500g	1000g	1500g	2000g	3000g	5000g
Readability	0.1g					
Pan Size	145X205mm					
Power Supply	220V/110V					



JN Series Magnetic Analytical Balance

- Product Spec:
1. Electromagnetic Force Compensation Technology.
 2. Aluminum Alloy die cast base and ss platter.
 3. Super Bright LCD display with backlight. (touch screen size is 5 inch.)
 4. RS232C Interface
 5. Clear Glass Windshield as standard.
 6. Over load protection, bubble level adjustment, under hook
 7. Full capacity subtraction
 8. Multi weighing unit conversation g/mg/ct/oz.
 9. Check weighing, parts counting, percentage weighing
 10. Universal power adaptor supplied as standard
 11. Certificated calibration weight supplied as standard.

Internal calibration or external calibration for option.
Type B With Touch Screen

Technical Specifications:

Model #	JN1004	JN1204	JN1604	JN1804	JN2004	JN2104	JN2204	JN3004	JN3104
Capacity	0-100g	0-120g	0-160g	0-180g	0-200g	0-210g	0-220g	0-300g	0-310g
Accuracy Class	1								
Readability	0.1mg								
Linearity	±0.2mg								
Repeatability	±0.2mg								
Pan Size	Φ80mm								
Output Interface	RS232/USB								

Model #	JN1103	JN2103	JN3103	JN5103	JN6203	JN8003	JN10003
Capacity	0-110g	0-210g	0-310g	0-510g	0-620g	0-800g	0-1000g
Readability	1mg						
Linearity	±2mg						
Repeatability	±2mg						
Pan Size	Φ90mm						
Output Interface	Rs232						
Dimensions	340mm x 215mm x350mm						
Power Supply	Universal Adaptor AC110-240V						



HZT Series Electronic Balance

- Characteristics:**
1. LCD with backlight mode adjustable
 2. Weighing stability time adjustable
 3. Support AC-DC
 4. 14 units available: g,ct,lb,oz,....
 5. Optional Accessories: RS232 line,inner rechargeable DC battery, back display and extra display

Technical Specifications:

Model #	HZT1003	HZT2003	HZT3003	HZT2002	HZT3002	HZT5002	HZT6002	HZT10002	HZT20002	HZT10001	HZT20001	HZT30001	HZT50001	HZT60001	
Capacity	0-100g	0-200g	0-300g	0-200g	0-300g	0-500g	0-600g	0-1000g	0-2000g	0-1000g	0-2000g	0-3000g	0-5000g	0-6000g	
Readability	1mg			10mg						100mg					
Linearity	±2mg			±20mg						±200mg					
Repeatability	±2mg			±10mg						±100mg					
Pan size	Φ 80mm			Φ 133mm						168x168					
Dimensions	295x208x290mm			295mm x 208mm x88mm											
Power Supply	AC-DC														



HZF Series Electronic Balance

- Characteristics:**
1. More level adjustable function
 2. Large LED display adjustable brightness
 2. Weighing Stability time adjustable
 3. Support AC-DC
 4. 14 units available: g,ct,lb,oz,....
 5. Optional Accessories: RS232 line,inner rechargeable DC battery, back display and extra display

- Application Mode:**
1. Percentage weighing function
 2. With dynamic weighing function
 3. Selectable weighing and count mode
 4. High-low weighing function
 5. Peak holding function
 6. Accumulate function

Technical Specifications:

Model #	HZF1004	HZF2004	HZF3003A	HZF5003A	HZF1003	HZF2003	HZF3003
Capacity	0-100g	0-200g	0-300g	0-500g	0-100g	0-200g	0-300g
Readability	0.1mg			1mg			
Linearity	±0.2mg			±2mg			
Repeatability	±0.1mg		±1mg		±2mg		
Pan size	Φ 80mm	Φ 90mm	Φ 108mm	Φ 80mm			
Dimensions	295x208x290mm						
Power Supply	AC-DC						

Model #	HZF2002	HZF3002	HZF5002	HZF6002	HZF10002	HZF20002	HZF10001	HZF20001	HZF30001	HZF50001	HZF60001	
Capacity	0-200g	0-300g	0-500g	0-600g	0-1000g	0-2000g	0-1000g	0-2000g	0-3000g	0-5000g	0-6000g	
Readability	10mg						100mg					
Linearity	±20mg						±200mg					
Repeatability	±10mg						±100mg					
Pan size	Φ 133mm						168x168					
Dimensions	295mm x 208mm x88mm											
Power Supply	AC-DC											



TD-A-2001 ~ TD-A-20002 Series



TD-D-20001 ~ TD-D-50002 Series

Electronic Balance TD-A Series 0 – 2000g

Art No	TD-A-2001	TD-A-4001	TD-A-6001	TD-A-10001	TD-A-12001	TD-A-20001
Capacity	200g	400g	600g	1000g	1200g	2000g
Readability	0.1g					
Pan Size	Φ 133mm					
Power Supply	battery operated					
Selectable Weighing Units	g, oz, ct					

Art No	TD-A-1002	TD-A-2002	TD-A-3002	TD-A-5002	TD-A-6002	TD-A-10002	TD-A-20002
Capacity	100g	200g	300g	500g	600g	1000g	2000g
Readability	10mg						
Pan Size	Φ 133mm						
Power Supply	battery operated						
Selectable Weighing Units	g, oz, ct						

Electronic Balance TD-D Series 0 – 10000g

Art No	TD-D-20001	TD-D-30001	TD-D-50001	TD-D-60001	TD-D-100001	TD-D-2000/1G	TD-D-3000/1G
Capacity	2000g	3000g	5000g	6000g	10000g	2000g	3000g
Readability	0.1g	0.1g	0.1g	0.1g	0.1g	1g	1g
Pan Size	170X170mm						
Power Supply	220/110V						
Selectable Weighing Units	g, mg, oz, ct						
Output Interfacing:	RS232						
Display:	super bright LCD with back light						

Art No	TD-D-5000/1G	TD-D-10000/1G	TD-D30002	TD-D40002	TD-D50002
Capacity	5000g	10000g	3000g	4000g	5000g
Readability	1g	1g	0.01g	0.01g	0.01g
Pan Size	170X170mm				
Power Supply	220/110V				
Selectable Weighing Units	g, mg, oz, ct				
Output Interfacing:	RS232				
Display:	super bright LCD with back light				



Electronic Balance

- EBL1004 Capacity: 100g
- EBL1104 Capacity: 110g
- EBL1604 Capacity: 160g
- EBL2004 Capacity: 200g
- EBL2104 Capacity: 210g
- EBL2204 Capacity: 220g

Readability: 0.1mg
 Reproducibility: ±0.2mg
 Linearity Error: ±0.5mg
 Pan Size: Diameter 80mm
 Power Supply: 220V or 110V



Electronic Balance

- EBL1003 Capacity: 100g
- EBL2003 Capacity: 200g
- EBL3003 Capacity: 300g
- EBL5003 Capacity: 500g

Readability: 1mg
 Reproducibility: ±2mg
 Pan Size: Diameter 80mm
 Power Supply: 220V or 110V



Electronic Balance YK-B Series

Product Description:
This series balances also equipped with standard RS232C data interface which can connect with micro-computer, printer and other devices. It can be widely used in various fields such as university, biological medicine, enterprise and public institution, quarantine inspection.

- Features:**
1. Electromagnetic balance sensor
 2. External calibration weight.
 3. Automatic Calibration System.
 4. Whole taring
 5. 4-level shockproof.
 6. Counting function
 7. Adopting large blue backlighting LCD screen (120*55 mm), which has complete display functions.
 8. With the sensor technology of German STL software, supporting multi-point correction, the instrument has a more stable performance.
 9. The windshield of all around antistatic coating can effectively shield the electrostatic interference and the vision is very clear.
 10. The built-in RS232 standard interface can connect to the printer, computer, etc.
 11. Unit switch: Carat, ounce and grams.
 12. Power: 220V/50Hz

Technical parameters				
Model No.	YK1004B	YK1204B	YK2004B	YK2204B
Weighing range	100g	120g	200g	220g
Readability	0.1mg			
Pan size	Φ8mm			
Output interface	RS232C			
Calibration	External			

Electronic Balance YK-C Series

Product Description:
This series balances also equipped with standard RS232C data interface which can connect with micro-computer, printer and other devices. It is the most important characteristics of a key internal automatic calibration function, more convenient to use.

- Features:**
Adopting large backlighting LCD screen, providing users gentler and clearer vision. The built-in RS232 standard interface can connect to the printer, computer directly. User-friendly design, neoteric structure, five-surface transparent glass windshield, new generation of electromagnetic gauge transducer reliably guarantees the high precision of the product. With many application programs, such as automatic fault detection, auto-calibration, and over-loading protection and so on. The application of digital integrated circuit board guarantees the precision of the products. The internal automatic calibration system, making it more convenient and easier to operate the balance and the performance is more stable and correct.

Technical parameters				
Model No.	Weighing Range	Readability	Pan Size	Calibration
YK1004C	0~100g	0.1mg	Φ8mm	Internal
YK1204C	0~120g			
YK2004C	0~200g			
YK2204C	0~220g			
YK1003C	0~100g	1mg		
YK2003C	0~200g			



TP Series Electronic Balance

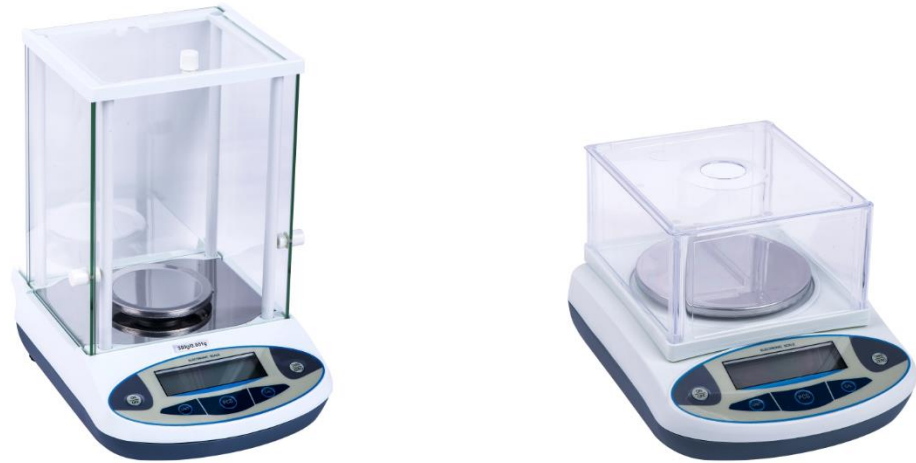
- Characteristics:**
1. Display mode adjustable
 2. Weighing Stableness time adjustable
 3. Support AC-DC
 4. 9 units available: g, ct, lb, oz, ...
 5. Optional Accessories: RS232 line, inner rechargeable DC battery, and back display

Technical Specifications:												
Model #	TP2002	TP3002	TP5002	TP6002	TP10002	TP20002	TP12001	TP20001	TP30001	TP50001	TP60001	
Capacity	0-200g	0-300g	0-500g	0-600g	0-1000g	0-2000g	0-1200g	0-2000g	0-3000g	0-5000g	0-6000g	
Readability	10mg						100mg					
Linearity	±20mg						±200mg					
Repeatability	±10mg						±100mg					
Pan size	Φ128mm								145x160			
Dimensions	260mm x 175mm x60mm											
Power Supply	AC-DC											



Electronic Balance BQ-E series

Electronic Balance BQ-E series					
Model	Capacity	Readability	Repeatability	Linearity	Pan Size
BQ-E1002	0-100g	0.01g	0.01g	0.02g	Φ110mm
BQ-E2002	0-200g	0.01g	0.01g	0.02g	Φ110mm
BQ-E3002	0-300g	0.01g	0.01g	0.02g	Φ110mm
BQ-E5002	0-500g	0.01g	0.01g	0.02g	Φ130mm
BQ-E6002	0-600g	0.01g	0.01g	0.02g	Φ130mm
BQ-E10002	0-1000g	0.01g	0.02g	0.03g	Φ130mm
BQ-E20002	0-2000g	0.01g	0.02g	0.03g	Φ150mm
BQ-E1003	0-100g	0.001g	0.002g	0.003g	Φ90mm
BQ-E2003	0-200g	0.001g	0.002g	0.003g	Φ90mm
BQ-E3003	0-300g	0.001g	0.002g	0.003g	Φ90mm
BQ-E5003	0-500g	0.001g	0.002g	0.003g	Φ90mm



Electronic Balance BQ-B series

Electronic Balance BQ-B series

Model	Capacity	Readability	Repeatability	Linearity	Pan Size
BQ-B2001	0-200g	0.1g	0.1g	0.1g	Φ110mm
BQ-B5001	0-500g	0.1g	0.1g	0.1g	Φ130mm
BQ-B10001	0-1000g	0.1g	0.1g	0.1g	Φ130mm
BQ-B12001	0-1200g	0.1g	0.1g	0.1g	Φ130mm
BQ-B20001	0-2000g	0.1g	0.1g	0.1g	Φ150mm
BQ-B1002	0-100g	0.01g	0.01g	0.02g	Φ110mm
BQ-B2002	0-200g	0.01g	0.01g	0.02g	Φ110mm
BQ-B3002	0-300g	0.01g	0.01g	0.02g	Φ110mm
BQ-B5002	0-500g	0.01g	0.01g	0.02g	Φ130mm
BQ-B6002	0-600g	0.01g	0.01g	0.02g	Φ130mm
BQ-B10002	0-1000g	0.01g	0.02g	0.03g	Φ130mm
BQ-B20002	0-2000g	0.01g	0.02g	0.03g	Φ150mm
BQ-B30002	0-3000g	0.01g	0.02g	0.03g	Φ150mm
BQ-B50002	0-5000g	0.01g	0.02g	0.03g	Φ150mm
BQ-B1003	0-100g	0.001g	0.002g	0.003g	Φ90mm
BQ-B2003	0-200g	0.001g	0.002g	0.003g	Φ90mm
BQ-B3003	0-300g	0.001g	0.002g	0.003g	Φ90mm
BQ-B5003	0-500g	0.001g	0.002g	0.003g	Φ90mm



Electronic Balance BQ-B series

Model	Capacity	Readability	Repeatability	Linearity	Pan Size
BQ-B30001	0-3000g	0.1g	0.1g	0.1g	170X190mm
BQ-B50001	0-5000g	0.1g	0.1g	0.2g	170X190mm
BQ-B10K1	0-10000g	0.1g	0.1g	0.2g	170X190mm



Calibration Weight Set
Art No.: CLBW01

1. Professional Series

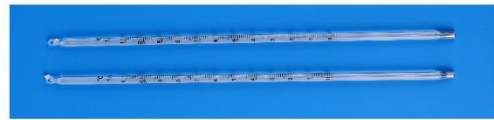
Class	E1	E2	F1
Material	Austenitic Stainless Steel		
Density	7.96kg/dm3		
Magnetic susceptibility	<0.005		
Intensity of polarization	<2.5	<8	<25
Form	1mg-500mg	Flat polygonal sheets	
	1g-20kg	Knob solid weight	
Packing	Individual	ABS Box /Aluminum box	
	Weight Set	Aluminum Box	

2. Economy Series

Class	F1	F2	M1
Material	Stainless Steel		
Density	7.9kg/dm3		
Magnetic susceptibility	<0.05		
Intensity of polarization	<25	<80	<250
Form	1mg-500mg	Flat polygonal sheets	
	1g-20kg	Knob solid weight	
Packing	Individual	ABS Box /Aluminum box	
	Weight Set	Aluminum Box	

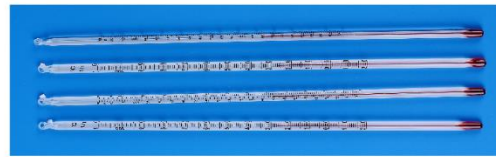
Technical Parameters

	1mg-500mg	1mg-100g	1mg-200g	1mg-500g	1mg-1kg	1mg-2kg	1mg-5kg	1mg-10kg	1mg-20kg
1mg	•	•	•	•	•	•	•	•	•
2mg	••	••	••	••	••	••	••	••	••
5mg	•	•	•	•	•	•	•	•	•
10mg	•	•	•	•	•	•	•	•	•
20mg	••	••	••	••	••	••	••	••	••
50mg	•	•	•	•	•	•	•	•	•
100mg	•	•	•	•	•	•	•	•	•
200mg	••	••	••	••	••	••	••	••	••
500mg	•	•	•	•	•	•	•	•	•
1g		•	•	•	•	•	•	•	•
2g		••	••	••	••	••	••	••	••
5g		•	•	•	•	•	•	•	•
10g		•	•	•	•	•	•	•	•
20g		••	••	••	••	••	••	••	••
50g		•	•	•	•	•	•	•	•
100g		•	•	•	•	•	•	•	•
200g			••	••	••	••	••	••	••
500g				•	•	•	•	•	•
1kg					•	•	•	•	•
2kg						••	••	••	••
5kg							•	•	•
10kg								•	•
20kg									•
Quantity	12	21	23	24	25	27	28	29	30



High Quality Mercury Thermometer

TH001
Student grade, permanent graduation with 1° increments. Each thermometer comes with an anti-roll triangle and is housed in a re-usable quality plastic storage. Mercury filling, white back, 30cm long. A great variety of temperature range available.



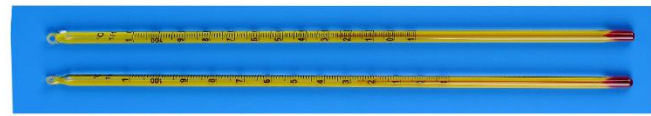
High Quality Red Liquid Thermometer

TH002
Student grade, permanent graduation with 1° increments. Each thermometer comes with an anti-roll triangle and is housed in a re-usable quality plastic storage. Red Liquid filling, white back, 30cm long. A great variety of temperature range available.



High Quality Mercury Thermometer

TH003
Student grade, permanent graduation with 1° increments. Each thermometer comes with an anti-roll triangle and is housed in a re-usable quality plastic storage. Mercury filling, yellow back, 30cm long. A great variety of temperature range available.



High Quality Red Liquid Thermometer

TH004
Student grade, permanent graduation with 1° increments. Each thermometer comes with an anti-roll triangle and is housed in a re-usable A great variety of temperature range available. quality plastic storage. Red Liquid filling, yellow back, 30cm long.



Economy Mercury Thermometer

TH005
Economic thermometer, etched with 1° increments. Each thermometer is housed in a re-usable plastic storage. Mercury filling, yellow back, 30cm long. A great variety of temperature range available.



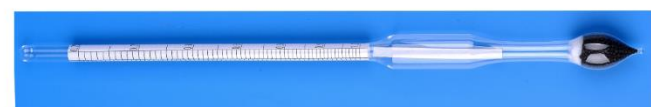
Economy Red Liquid Thermometer

Th006
Economic thermometer, etched with 1° increments. Each thermometer is housed in a re-usable plastic storage. Red liquid filling, white back, 30cm long. A great variety of temperature range available.



Clinical Thermometer

- 1) CTH002 Armpit Type, 11.5 X 0.95cm
- 2) CTH003 Armpit Type, 12.5 X 1.15cm
- 3) CTH004 Rectal Type
- 4) CTH005 Oral Type



Light Liquid Hydrometer

HDM001
Range: 0.700~1.000

Heavy Liquid Hydrometer

HDM002
Range: 1.000~2.000



Dial Thermometer

MTH001
Diameter 1",
Stick Length: 5" with plastic tube
Temperature Range: 25-125°F

1715 Blood Sedimentation Tube

Capacity: 1ml
Length: 300mm
I.D.: 2.5mm
Graduation: 0-200mm
Graduated Interval: 1mm



Dial Thermometer

MTH002
Diameter 30mm,
Stick Length: 5" with plastic tube
Temperature Range: 0~200°C



Dial Thermometer

MTH003
Diameter 65mm, Length 100mm
Range: -50~+50°C
Material: Aluminum



Dial Thermometer

MTH004
Size: 76x57x28mm
Range: -50~+50°C
Material: Plastic



Digital Thermometer

DTH001
Range: -50~300°C
Accuracy: ±1°C between
-20~120°C, otherwise ±2°C
Resolution: 0.1°C
Automatic power off
after 45 minutes
Black color available



Digital Thermometer

DTH002
Range: -50~300°C or -58~572°F
Accuracy: ±1°C/±2°F between
-20~120°C/-4~248°F,
otherwise ±2°C/±4°F
Resolution: 0.1°C/0.1°F
Automatic power off
after 45 minutes



Digital Thermometer

DTH003
Range: -50~300°C or -58~572°F
Accuracy: ±1°C/±2°F
Resolution: 0.1°C/0.1°F
Automatic power off after
45 minutes



Digital Thermometer

DTH004
One display temperature, 4 key function:
ON/OFF, MAX/MIN, C/F, HOLD
With the stainless steel probe protect case and
the back clip
Auto power off
Temperature ranger: -50°C~300°C(-58°F~ 572°F)
Resolution: 0.1°C/0.1°F
Accuracy: +/-1.0°C/1.8°F within 0 ~ 100°C,
+/-2.0°C other ranges.
70mm length stainless steel probe



Digital Thermometer

DTH005
Range: -50~300°C or -58~572°F
Accuracy: ±1°C/±2°F
Resolution: 0.1°C/0.1°F
Automatic power off after 10 minutes



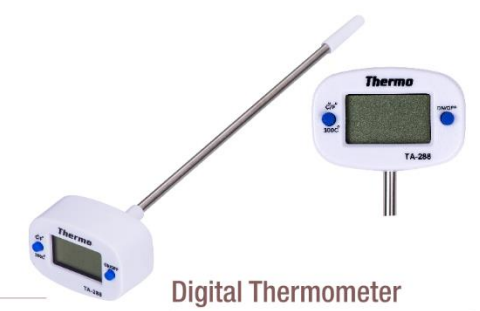
Digital Food Thermometer

DTH006
Range: -50 ~ 300°C (-58 ~ 572°F)
Graduation Division: 0.1°C/0.1°F
Length in total: 25cm



Digital Thermometer

DTH007
Range: -50 ~ 350°C (-58 ~ 662°F)
Graduation Division: 0.1°C/0.1°F
Probe: 15cm long



Digital Thermometer

DTH008
Range: -50 ~ 300°C (-58 ~ 572°F)
Graduation Division: 0.1°C/0.1°F
Probe: 15cm long and 180° rotatable



Digital Thermometer

DTH009
Range: -50 ~ 300°C (-58 ~ 572°F)
Graduation Division: 0.1°C/0.1°F
Accuracy: ±1°C (±1°F)
Probe: 15cm long



Digital Thermometer

DTH010
Range: -50 ~ 300°C (-58 ~ 572°F)
Graduation Division: 0.1°C/0.1°F
Accuracy: ±1°C (±1°F)
Probe: 13cm long
Water Proof



Digital Thermometer

DTH011
Range: -50 ~ 300°C (-58 ~ 572°F)
Graduation Division: 0.1°C/0.1°F
Accuracy: ±1°C (±1°F)
Probe: 13cm long



Digital Thermometer

DTH012
Range: -50 ~ 300°C (-58 ~ 572°F)
Graduation Division: 0.1°C/0.1°F
Accuracy: ±1°C (±1°F)
Probe: 15cm long
With hold function and Max/Min key to view the maximum/minimum.



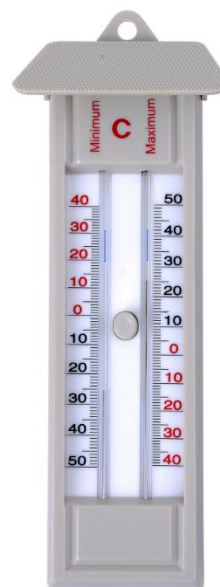
Infrared Thermometer

DTH013.01
Measuring Range: -50°C~500°C (-58°F~932°F)
Resolution: 0.1°C or 0.1°F °C/°F Selection



Body Infrared Thermometer

DTH014
Measuring Range: 32°C~45°C
Accuracy: ±0.2°C (±0.36°F)
Measuring Distance: 5~15cm (2~5.9 in)



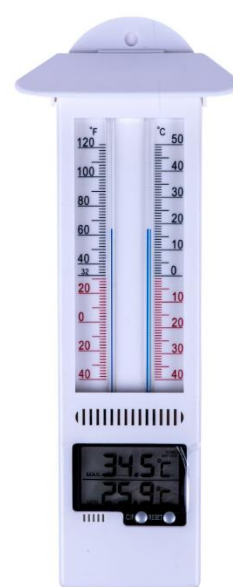
MMTH101
Size: 230 X 65mm



MMTH102
Size: 230 X 65mm



MMTH103
Size: 240 x 60mm



MMTH104, Digital
Size: 245x95x36mm

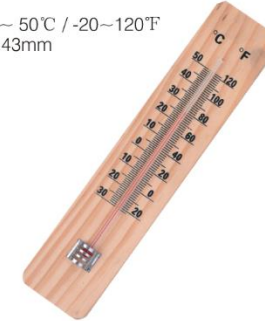


MMTH105, Digital
Size: 150x80x30mm

Maximum and Minimum Thermometer

Wooden Thermometer

WTH001
Range: -30 ~ 50°C / -20 ~ 120°F
Size: 200 x 43mm



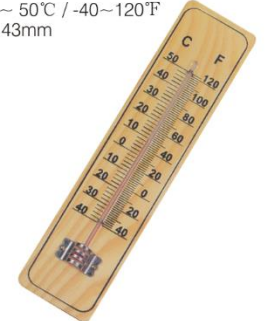
Wooden Thermometer

WTH002
Range: -30 ~ 50°C / -20 ~ 120°F
Size: 200 x 43mm



Wooden Thermometer

WTH003
Range: -40 ~ 50°C / -40 ~ 120°F
Size: 200 x 43mm



Wooden Thermometer

WTH004
Range: -40 ~ 50°C or -40 ~ 120°F
Size: 200 x 43mm



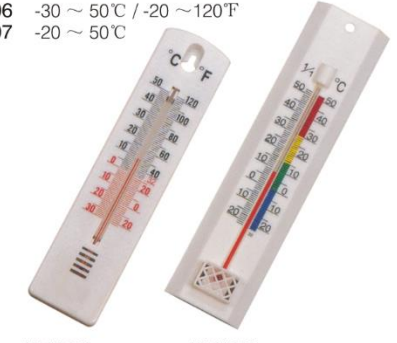
Plastic Wall Thermometer

WTH005
Range: -40 ~ 50°C or -40 ~ 120°F
Size: 220 X 48mm



Plastic Wall Thermometer

WTH006 -30 ~ 50°C / -20 ~ 120°F
WTH007 -20 ~ 50°C



WTH006

WTH007

Plastic Wall Thermometer

WTH008
Range: -30 ~ 50°C / -20 ~ 120°F



Wet & Dry Thermometer

ZL001
Range: 0 ~ 50°C / -20 ~ 120°F



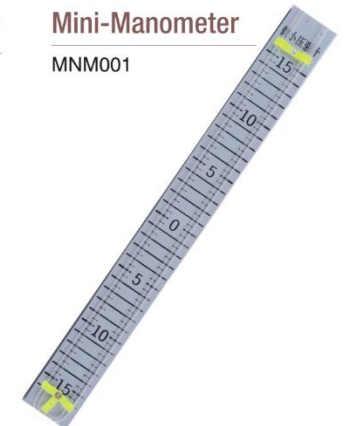
Wet & Dry Thermometer

ZL002
Range: -20 ~ 50°C



Mini-Manometer

MNM001



Clinical Thermometer

CTH001
Digital Clinical Thermometer
Colors: Green, Blue, Dark Blue, Pink, White



Clinical Thermometer

CTH001-B



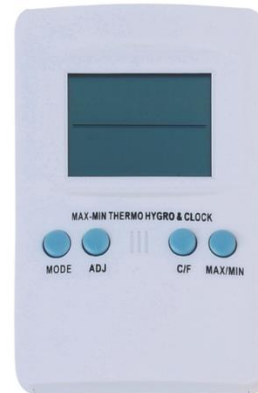
Digital Thermometer and Hygrometer

HTH01
 Measuring Range:
 Indoor: -10~50°C or 14~122°F
 Outdoor: -50~70°C or -58~158°F
 Indoor Humidity: 20%~99%RH
 Accuracy: ±1°C/±2°F, ±5%RH
 Resolution: 0.1°C/0.1°F, 1%RH
 C/F Switch
 Max/Min Temperature & Humidity Records



Digital Thermometer, Hygrometer & Clock

HTH02
 Measuring Range:-50~70°C or -58~158°F,
 10%~99%RH
 Accuracy: ±1°C/±2°F, ±5%RH
 Resolution: 0.1°C/0.1°F, 1%RH
 C/F Switch
 Max/Min Temperature Records
 Date/Time Display



Big Display Digital Hygrometer, Thermometer and Clock HTC-1

HTH04
 Indoor temperature, humidity and clock displays



- Features:
- Large character LCD display, easy to read
 - 2 temperature display modes: °C/°F
 - 2 time display modes: 12/24H
 - Max/Min temperature and humidity memory function
 - Hourly chime function
 - Daily alarm function
 - Calendar display function(Month and date)
- Specifications:
- Temperature range: -50°C~+70°C (-58°F~+158°F)
 - Temperature accuracy: ±1°C(1.8°F)
 - Temperature resolution: 0.1°C(0.2°F)
 - Humidity range: 10%~99% RH
 - Humidity accuracy: ±5% RH
 - Humidity resolution: 1% RH
 - Power source: 1xAAA (1.5V) battery(Included)
 - Material: ABS
 - Dimensions: 105x97x23mm, (43/16"Hx37/8"Wx7/8"Thick)

Big Display Digital Hygrometer, Thermometer and Clock HTC-2

HTH004A
 Indoor/outdoor Temperature, indoor humidity and clock displays simultaneously



Digital Indoor/Outdoor Hygrometer and Thermometer

HTH005
 This temperature and humidity meter features large character LCD display. Displays time, humidity and temperature in Celsius or Fahrenheit. Includes stand and can be used as desk clock or room thermometer.

- Specifications:
- Temperature range
 Indoor: -10°C~+50°C (14°F~+122°F)
 outdoor: -50°C~+70°C (-58°F~+158°F)
 - Temperature accuracy: ±1°C (1.8°F)
 - Temperature resolution: 0.1°C (0.2°F)
 - Humidity range: 20%~99% RH
 - Humidity accuracy: ±5% RH
 - Humidity resolution: 1% RH
 - Power source: 1*AAA (1.5V) battery (Included)
 - Material: ABS



Digital Hygrometer and Thermometer

HTH006
 This temperature and humidity meter features large character LCD display. Displays time, humidity and temperature in Celsius or Fahrenheit. Includes stand and can be used as desk clock or room thermometer.

- Specifications:
- Temperature range: -50°C~+70°C (-58°F~+158°F)
 - Temperature accuracy: ±1°C (1.8°F)
 - Temperature resolution: 0.1°C (0.2°F)
 - Humidity range: 10%~99% RH
 - Humidity accuracy: ±5% RH
 - Humidity resolution: 1% RH
 - Power source: 1xAAA (1.5V) battery (Included)
 - Material: ABS



Spring Scales, Transparent, Tubular

Art No:	Measuring Range	Readability
DY01001.01	10g/0.1N	0.2g/0.02N
DY01001.02	100g/1N	2g/0.02N
DY01001.03	200g/2N	4g/0.04N
DY01001.04	300g/3N	6g/0.06N
DY01001.05	500g/5N	10g/0.1N
DY01001.06	2000g/20N	40g/0.4N
DY01001.07	5000g/50N	100g/1N



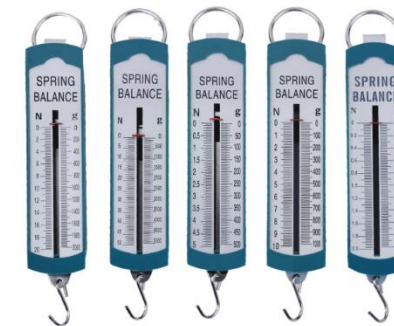
Spring Scales, Transparent, Tubular

Art No:	Measuring Range	Readability
DY01002.01	250g/2.5N	5g/0.05N
DY01002.02	500g/5N	10g/0.1N
DY01002.03	1000g/10N	20g/0.2N
DY01002.04	2000g/20N	40g/0.4N
DY01002.05	3000g/30N	60g/0.6N
DY01002.06	5000g/50N	100g/1N



Spring Scales, Transparent, Tubular

Art No:	Measuring Range	Readability
DY01003.01	100g/1N	2g/0.02N
DY01003.02	250g/2.5N	5g/0.05N
DY01003.03	500g/5N	10g/0.1N
DY01003.04	1000g/10N	20g/0.2N
DY01003.05	2000g/20N	40g/0.4N
DY01003.06	3000g/30N	60g/0.6N
DY01003.07	5000g/50N	100g/1N
DY01003.08	10000g/100N	200g/2N



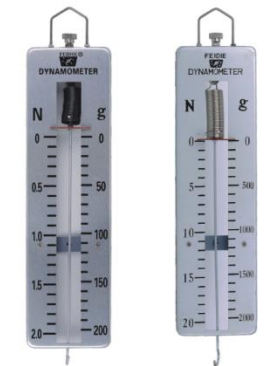
Spring Scales

Art No:	Measuring Range	Readability
DY01004.01	100g/1N	1g/0.01N
DY01004.02	250g/2.5N	2.5g/0.25N
DY01004.03	500g/5N	5g/0.5N
DY01004.04	1000g/10N	10g/0.1N
DY01004.05	2000g/20N	20g/0.2N
DY01004.06	5000g/50N	50g/0.5N



Spiral Spring Set of 5

Art No: DY01005
 Range: 0.5N, 1N, 2N, 3N, 5N



Demonstration Spring Scales

Art No:	Measuring Range	Readability
DY01006.01	100g/1N	5g/0.05N
DY01006.02	200g/2N	10g/0.1N
DY01006.03	500g/5N	25g/0.25N
DY01006.04	1000g/10N	50g/0.5N
DY01006.05	2000g/20N	100g/1N

Digital Indoor/Outdoor Hygrometer and Thermometer

HTH005
 This temperature and humidity meter features large character LCD display. Displays time, humidity and temperature in Celsius or Fahrenheit. Includes stand and can be used as desk clock or room thermometer.

- Specifications:
- Temperature range
 Indoor: -10°C~+50°C (14°F~+122°F)
 outdoor: -50°C~+70°C (-58°F~+158°F)
 - Temperature accuracy: ±1°C (1.8°F)
 - Temperature resolution: 0.1°C (0.2°F)
 - Humidity range: 20%~99% RH
 - Humidity accuracy: ±5% RH
 - Humidity resolution: 1% RH
 - Power source: 1*AAA (1.5V) battery (Included)
 - Material: ABS



Digital Hygrometer and Thermometer

HTH006
 This temperature and humidity meter features large character LCD display. Displays time, humidity and temperature in Celsius or Fahrenheit. Includes stand and can be used as desk clock or room thermometer.

- Specifications:
- Temperature range: -50°C~+70°C (-58°F~+158°F)
 - Temperature accuracy: ±1°C (1.8°F)
 - Temperature resolution: 0.1°C (0.2°F)
 - Humidity range: 10%~99% RH
 - Humidity accuracy: ±5% RH
 - Humidity resolution: 1% RH
 - Power source: 1xAAA (1.5V) battery (Included)
 - Material: ABS



Dynamometer, Push & Pull

Art No: DY01007
 Measuring Range: 10N
 Readability: 0.2N



Dynamometer Circular in Pair

Art No:	Measuring Range	Readability
DY01008.01	5N	0.25N
DY01008.02	10N	0.5N



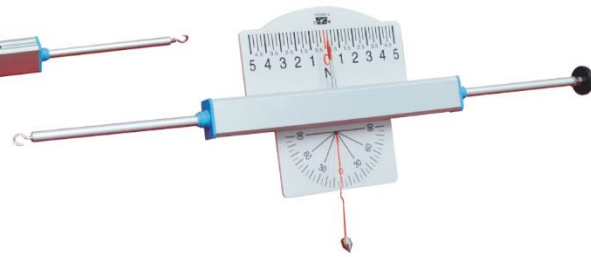
Single Pan Scale

Art No: DY01009



Double Sided Dynamometer

Art No: DY01010
Range: 5 - 0 - 5



Double Sided Dynamometer

Art No: DY01011
Range: 5 - 0 - 5, with plum



Dynamometer Circular

Art No: DY01012
Range: 5N



Weight Set

Art No: DY02005
Range: 1g-210g
1g, 2gx2, 5g, 10g, 20gx2, 50g, 100g



Weight Set

Art No: DY02006
Weight Set, 17-piece
Range: 10mg-100g



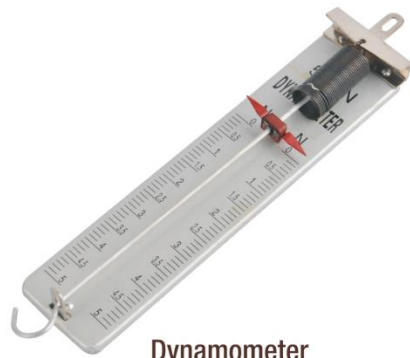
Precision Weight Set, Brass, Chrome Plated

Art No: DY02007
Range: 1g-1110g
1g, 2gx2, 5g, 10g, 20gx2, 50g, 100g, 200gx2, 500g



Spiral Spring Set of 5

Art No: DY01013
Max extension: 40cm
Max extension force: 1N, 4N, 9N, 15N, 20N



Dynamometer

Art No:	Measuring Range
DY01014.01	0.5N
DY01014.02	1N
DY01014.03	5N
DY01014.04	10N



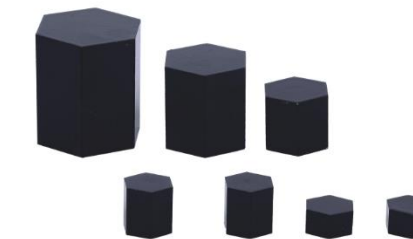
Spring Spiral with Hook

Art No: DY01015
Range: 5N,
Diameter: 26mm
Overall Length: 215mm at ease



Deluxe Slotted Weight Set

Art No: DY02008.01
Deluxe Slotted Weight Set, Set of 8
10g, 20gx2, 50g, 100g, 200gx2, 500g
Art No: DY02008.02
Deluxe Slotted Weight Set, Set of 12
1g, 2gx2, 5g, 10g, 20gx2,
50g, 100g, 200gx2, 500g



Weight Set

Art No: DY02009
Weight Set of 7
Range: 50g-2000g
50gx2, 100gx2, 200g,
500g, 1000g



Hooked Weight Set

Art No: DY02011
Range: 10gx10



Spring Spiral, Push & Pull

Art No: DY01016
Diameter: 50mm
Overall Length: 100mm at ease



Hooked Weight Set, Aluminum

Art No: DY02001
Range: 10g-250g
10g, 20g, 30g, 40g, 50g, 100g



Hooked Weight Set

Art No: DY02002
Range: 10g-550g
10g, 20gx2, 50gx2, 200gx2



Slotted Weight Set

Art No: DY02003
Iron, chrome plated
200g x 1, 50g x 2, 20g x 2,
10g x 1 and 10g hook
Packed in plastic case.



Weight Set, Slotted

Art No.	Material	Range
DY02004.01	Iron, chrome plated	50g, 20gx9, 10g, 5gx2
DY02004.02	Iron, chrome plated	10gx10
DY02004.03	Iron, chrome plated	20gx10
DY02004.04	Iron, chrome plated	50gx10
DY02004.05	Iron, chrome plated	100gx10
DY02004.06	Iron, chrome plated	200g, 100gx2, 50gx4, 20gx2, 10gx2
DY02004.07	Brass	50g, 20gx9, 10g, 5gx2
DY02004.08	Brass	10gx10
DY02004.09	Brass	20gx10
DY02004.10	Brass	50gx10
DY02004.11	Brass	100gx10



Weights

Art No: DY02012
Weights, with 1 hook
Range: 200gx4



Weights

Art No: DY02013
Weights, with 2 hooks
Range: 50gx10



Weights

Art No: DY02014
Weights, with 1 hook
Range: 50gx10



Weights, Plastic, with Hook

Art No: DY02015
Range: 1g-55g
1gx10, 2gx10, 5gx5



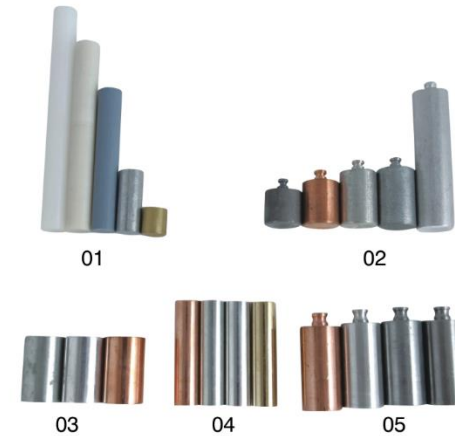
Weights, with Hook

Art No: DY02016
Range: 50gx10



Weight Hanger

Art No: DY02017	Material	Weight	Size
DY02017.01	Brass	50g	20.5x4.5cm dia
DY02017.02	Brass, Cr plated	50g	20.5x4.5cm dia
DY02017.03	Aluminum	50g	0.5x4.5cm dia



Cylinder Sets

Art No:	Sizes	Material
DY03006.01	Same Weight, 19g	Al, Br, Nylon, PVC, PMP
DY03006.02	Same Weight, 58g	Al, Cu, Zn, Pb, Sn
DY03006.03	32x20mm dia	Al, Cu, Fe
DY03006.04	51x12.7mm	Al, Br, Cu, Fe
DY03006.05	47x20mm	Al, Br, Cu, Fe

Different sizes are available upon request



Cylinder Set

Art No: DY03005
Set of brass, Iron & aluminium cylinder.
Size: 32x20mm dia



Hooked Weight Set

Art No: DY02018
Range: 10g ~1000g, brass & iron
10g, 20g x 2, 50g, 100g,
200g x 2, 500g, 1000g



Hooked Weight Set

Art No: DY02019
Range: 10g ~ 1000g, iron painted
10g, 20g x 2, 50g, 100g, 200g x 2, 500g, 1000g



Brass Weight Set

Art No: DY02020
Range: 1g~50g
1g, 2g x 2, 5g, 10g x 2, 20g, 50g



Balls

Art No:	Material & size
DY03007.01	Steel 3/4" dia
DY03007.02	Steel 1" dia
DY03007.03	Brass 3/4" dia
DY03007.04	Brass 1" dia
DY03007.05	Lead 3/4" dia
DY03007.06	Lead 1" dia
DY03007.07	Aluminium 3/4" dia
DY03007.08	Aluminium 1" dia
DY03007.09	Wooden 3/4" dia
DY03007.10	Wooden 1" dia
DY03007.11	Brass 8mm dia
DY03007.12	Brass 8mm dia, with hook
DY03007.13	Set of Fe, Br, Pb, Al & wooden balls, 3/4" dia
DY03007.14	Set of Fe, Br, Pb, Al & wooden balls, 1" dia



Sinkable-Floatable Block Set

Art No: DY03008



Mass Cube Set

Art No: DY03009
Iron: 2x2x2cm, Brass: 2x2x2cm, Wood: 5x5x5cm
Aluminum: 2.5x2.5x2.5cm, 3x3x3cm



Mass Cube Set

Art No: DY03001-1
Mass Cube Set, 2cm
Cu, Fe, Zn, Al, Pb, and Wood
Art No: DY03001-2
Mass Cube Set, 2.5cm
Cu, Fe, Zn, Al, Pb, and Wood



Mass Cube Set

Art No: DY03002
Br, Cu, Fe, Zn, Al, Acrylic
Plastic, Hard wood, Pb, Nylon.
Set of 10pcs
Size: 2.5x2.5x2.5cm



Mass Cube Set

Art No: DY03003
Br, Cu, Al, Fe, Zn, Pb
Size: 2x2x2cm-6pcs
1x2x3cm-6pcs
1x1x1cm-6pcs



Mass Cube Set

Art No: DY03004
Br, Al, Pb, Fe. Set of 4pcs.
With hook.
Size: 3.2x3.2x3.2cm



Single Pulley

Art No: DY04001
Single Pulley, Dia 70mm, ABS



Double Pulley in Tandem

Art No: DY04002
Double Pulley in Tandem, Dia 70mm, ABS



Triple Pulley in Tandem

Art No: DY04003
Triple Pulley in Tandem, Dia 70mm, ABS



Single Pulley

Art No: DY04004
Single Pulley, Dia 50mm, ABS



Double Pulley in Tandem

Art No: DY04005
Double Pulley in Tandem,
Dia 50mm, ABS



Triple Pulley in Tandem

Art No: DY04006
Triple Pulley in Tandem,
Dia 50mm, ABS



Double Pulley in Parallel

Art No: DY04007
Double Pulley in Parallel,
Dia 70mm, ABS



Triple Pulley in Parallel

Art No: DY04008
Triple Pulley in Parallel,
Dia 70mm, ABS



Wheel & Axle

Art No: DY05001
Dia: 130/60mm, Rod Length: 270mm



Wheel & Axle

Art No: DY05002
Dia: 35/50/65/105mm,
Rod Length: 120mm



Impeller

Art No: DY05003
To explain the principle of
steam & water turbine



Collision Balls

Art No: DY05005.01
Ball Size: Diameter 20mm
Frame Size: 12 X 11 X 15.5 cm



Quadruple Pulley in Parallel

Art No: DY04009
Dia 70mm, ABS



Double Pulley in Parallel

Art No: DY04010
Dia 50mm, ABS



Triple Pulley in Parallel

Art No: DY04011
Dia 50mm, ABS



Quadruple Pulley in Parallel

Art No: DY04012
Dia 50mm, ABS



Collision Balls

Art No: DY05005.02
Ball Size: Diameter 20mm
Frame Size: 11 X 10.5 X 14 cm



Collision Balls

Art No: DY05005.03
Ball Size: Diameter 25mm
Frame Size: 24 X 23 X 14 cm



Collision Balls

Art No: DY05005.04
Ball Size: Diameter 11.5mm
Frame Size: 75 X 90 X 90MM



Collision Balls

Art No: DY05005.05
Ball Size: Diameter 16mm
Frame Size: 135 X 115 X 140MM



Multi-Use Bench Pulley

Art No: DY04013
Diameter 50mm Pulley, Aluminum



Table Clamp Pulley

Art No: DY04014
Pulley Diameter 40mm, ABS



Pulley on Rod

Art No: DY04015
40mm Diameter
Overall Length: 150mm



Table Clamp Pulley

Art No: DY04016
Pulley Diameter 50mm, ABS



Collision Balls

Art No: DY05005.06
Ball Size: Diameter 20mm
Frame Size: 180 X 150 X 180MM



DY05006.02A

DY05006.02B

Hall's Carriage

Art No: DY05006.02A
Art No: DY05006.02B



Electric Cart

Art No: DY05006.04



Table Clamp Pulley

Art No.: DY04016.02
Pulley Diameter 40mm ABS
Art No.: DY04016.03
Pulley Diameter 50mm ABS



Table Clamp Pulley

Art No.: DY04016.04
Pulley Diameter 40mm Aluminum
Art No.: DY04016.05
Pulley Diameter 50mm Aluminum



Super Pulley

Art No: DY04017
Super Pulley, Diameter 50mm



Single Pulley with Clamp

Art No: DY04018



Dynamic Cart

Art No: DY05006.06



Dynamic Cart

Art No: DY05006.07



Dynamic Cart

Art No: DY05006.08



Force Table

Art No: DY05007.01
With 4 sets of weight,
diameter 30cm



Force Table

Art No: DY05007.02
With 4 sets of weight,
diameter 30cm, plastic table



Force Table

Art No: DY05007.03
With 4 sets of weight,
40cm diameter



Ballistic Car

Art No: DY05017
With remote control



Gravity Cart

Art No: DY05018



Magic Cone and Ramp

Art No: DY05020



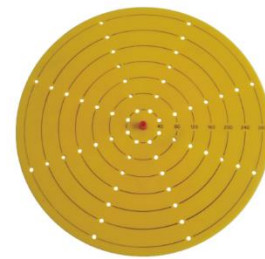
Hook's Law Apparatus

Art No: DY05023



Force Table

Art No: DY05007.04
Force Table, Dia 40cm



Force Disc

Art No: DY05009



Plastic Megdeburg Hemispheres

Art No: DY05010A
This plastic hemispheres can withstand 180 pounds of force when pumped free of air, including 2 ABS hemispheres with plastic exhaust valve to fit pressure tubing. Diameter 12cm.



Model of Different Drive

Art No: DY05019
Model of Different Drive, Set of 8



Metal Magdeburg Hemispheres

Art No: DY05010
Size: 7.25" x 4.5" x 4.25"



Maxwell's Wheel

Art No: DY05011
To demonstrate the theory about the conversion of potential energy and kinetic energy.



Demonstrator of Stability of Object

Art No: DY05012
For studying the stability of a body as a function of the position of its gravity center related to the base area.



Pascall Ball

Art No: DY05013
To show that water pressure will transmit in all directions.



Archemedes' Principle Apparatus

Art No: DY05024



Archemedes' Principle Apparatus

Art No: DY05025

Archemedes' Principle Apparatus, Small

Art No: DY05026
(Bucket & Cylinder)



Overflow Can

Art No: DY05027
Material: Aluminium



Action and Reaction Demonstrator

Art No: Dy05014
Battery Operated



Action and Reaction Demo.

Art No: DY05015-A
To verify Newton's law of motion



Action and Reaction Demo.

Art No: DY05015-B
To verify Newton's law of motion



Recoil Car

Art No: DY05016



Archimede's Law Apparatus, Large

Art No: DY05028



Spouting Cylinder

Art No: DY05029
To demonstrate the relationship between the pressure & depth of liquid.



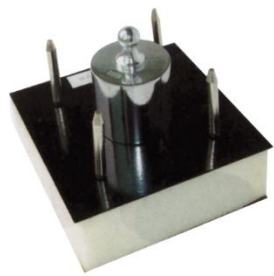
Demonstration of the Relationship between Liquid Pressure and Depth

Art No: DY05030



Pascal's Theory Apparatus

Art No: DY05031



Demonstration of Intensity of Pressure

Art No: DY05032
Demonstration of the relationship between area and pressure. Weights not included.



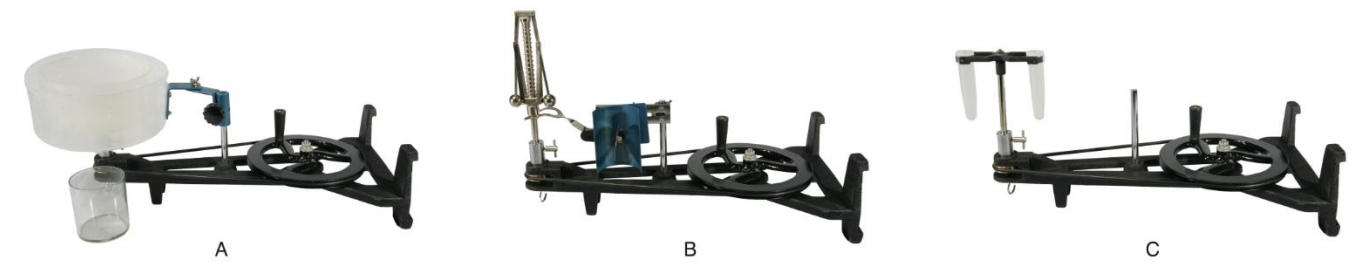
Model of Water Pump

Art No: DY05033
To explain the construction and working principle of the pump



Water Pump Model

Art No: DY05034
Art No: DY05035



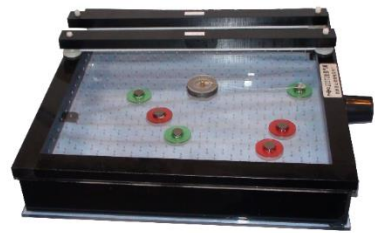
Centrifugal Rotating Device 3 in 1

Art No: DY06005



Microcosmic Explanation of Air Pressure

Art No: DY05036



Air Cushion Mechanics Demonstrator

Art No: DY05037



Deluxe Demonstrator of Air Cushion Mechanics

Art No: DY05038
2 Degrees of Movement
The air cushion technique consists of creating a layer between a moving object and a flat plane, in such a way as to practically eliminate friction.



Inertia Demonstration

Art No: DY06006.02



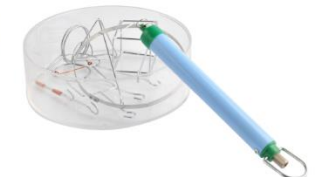
Inertia Demonstration

Art No: DY06006.03



Inertia Demonstration

Art No: DY06006.04



Surface Tension Demonstrator

ART NO: DY06007



Air Cushion Motion Demonstrator

Art No: DY05039



Air Buoyancy Force Demonstrator

ART NO: DY05040



Boyle's Law Apparatus

ART NO: DY05041



Liquid Pressure Demonstrator

Art No: DY05042
The glass tube is Φ 29.5mm x 210mm



Capillary Tubes

Art No: DY06008



Capillary Tubes

Art No: DY06008-A



Submarine Demonstrator

Art No: DY06009
To demonstrate the principle that how sub-marine floats & sinks.



Communicating Vessel

Art No: DY06010
Packaged in foam box



Pendulum

Art No: DY06003.01



Simple Pendulum

Art No: DY06003.02



Centripetal Force Demonstrator

Art No: DY06004
Size: 26X10X17CM



Inertia Demonstration

Art No: DY06006.01



Water Turbine

Art No: DY06011



Petrol Engine Model

DY06012
SIZE: 17 X 12 X 28CM



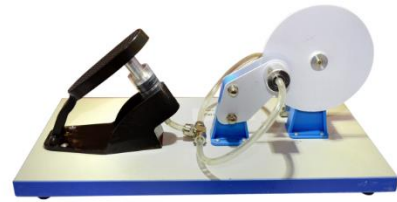
Diesel Engine Model

DY06013
SIZE: 17 X 12 X 28CM



Hydraulic Press Model

ART NO: DY06014
Made of plastic.



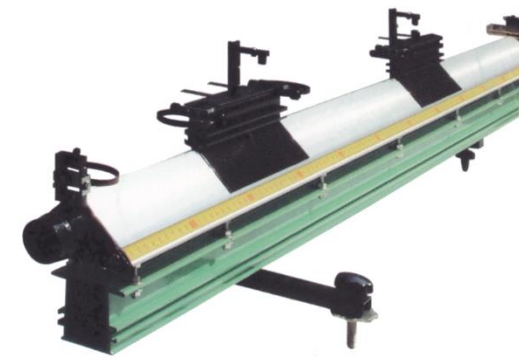
Auto Brake Demonstrator
ART NO: DY06015



Balancing Bird
ART NO: DY07001



Roman Bridge
ART NO: DY07003



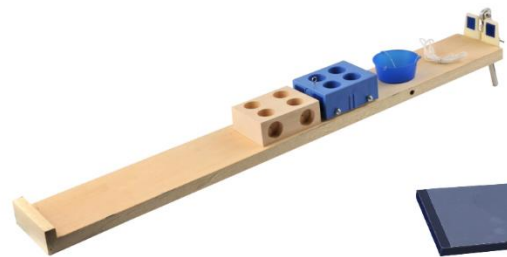
Deluxe Linear Air Track,
Art No: DY08006, with all accessories
DY08006.01 100cm
DY08006.02 120cm
DY08006.03 150cm
DY08006.04 200cm



Quiet Air Source
Art No: DY08007
Made of ABS
Size: 210mm Dia and 330mm High
Power: $\geq 250W$
Pressure: $\geq 6KPa$
Flow rate: $\geq 35m^3/h$
Noise: $< 58dB$



Quiet Air Source
Art No: DY08008.01
Made of Metal
Size: 210mm Dia and 370mm High
Power: $\geq 250W$ Pressure: $\geq 6KPa$
Flow rate: $\geq 35m^3/h$ Noise: $< 58dB$
Art No: DY08008.02
With Variable Output



Inclined Plane and Trolley
Art No: DY08000



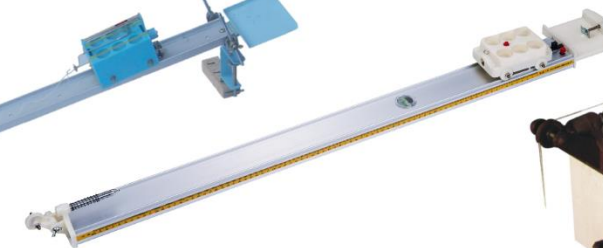
Newtonian 2nd Theory Demonstrator
Art No: DY08001



Friction Apparatus
Art No: DY08002
With 3-50g weights & a 100g spring scale.



Dynamic Trolley Track Apparatus
Art No: DY08009



Dynamic Trolley Track Apparatus
Art No: DY08010
With level



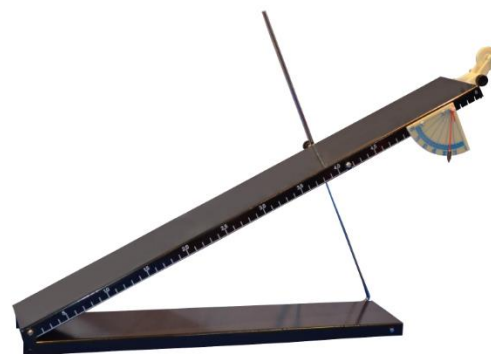
Dynamic Double Trolley Track Apparatus
Art No: DY08011



Friction on an Inclined Plane
Art No: DY08003.01
Best Seller



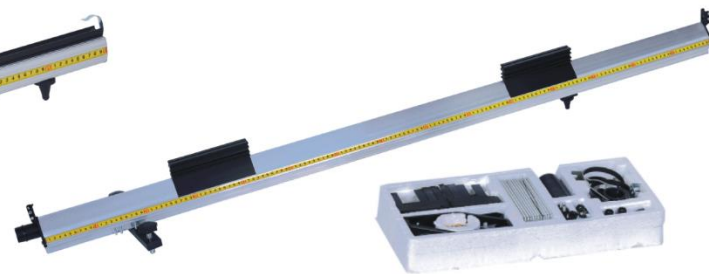
Balancing(Drinking)Bird
ART NO: DY07002



Friction on an Inclined Plane
Art No: DY08003.02



Skewed Slot Track
Art No: DY08004
To demonstrate the experiment of regular-speed linear movements & regular acceleration linear movements for qualitative & quantitative analysis.



Linear Air Track, with Accessories
Art No: DY08005.02 120cm
DY08005.03 150cm
DY08005.04 200cm



Free Fall Apparatus
Art No: DY08012.01
Free Fall Apparatus, 160cm High
Art No: DY08012.02
Free Fall Apparatus, 160cm High, with Timer



Free Fall Apparatus
Art No: DY08013.01
120cm High,
Art No: DY08013.02
120cm High, with Timer



Free Fall Tube
Art No: DY08014.01
Dia 42x1060mm, Clear Palstic Tube
Art No: DY08014.02
With Pressure Gauge

Digital Timer
Art No: DY08015.01
Digital Timer, 3 Digits
Used with air tracks, free falling apparatus and slot track.
Count range: 0-9999
Photoelectric jack: 2
Electromagnetic jack: 1



Digital Timer

Art No: DY08015.02
 Digital Timer, 4 Digits Used with air tracks, free falling apparatus and slot track.
 Count range: 0-9999
 Photoelectric jack: 2
 Electromagnetic jack: 1



Digital Timer

Art No: DY08015.04
 Digital Timer, 4 Digits Used with air tracks, free falling apparatus and slot track.
 Count range: 0-999
 Photoelectric jack: 2
 Electromagnetic jack: 1



Digital Timer

Art No: DY08015.05
 Smart Timer, 3 Digits
 For free fall apparatus only.



Electromagnetic Dotting Timer

Art No: DY08016



Spark Timer

Art No: DY08017



Electric Spark Ticker Timer

Art No: DY08018



Loop-the-Loop Apparatus

Art No: DY08019.01
 To demonstrate the circular motion of a body in a vertical plane.



Loop-the-Loop Apparatus

Art No: DY08019.02
 To demonstrate the circular motion of a body in a vertical plane.



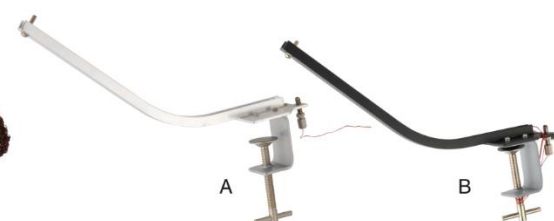
Loop-the-Loop Apparatus

Art No: DY08019.03
 To demonstrate the circular motion of a body in a vertical plane.



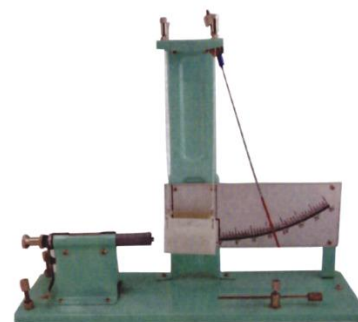
Loop-the-Loop Apparatus

Art No: DY08019.05



Collision in 2 Dimensions

ART NO: DY08020



Ballistic Pendulum

Art No: DY08021
 To determine the velocity of bullet.



Dynamical System

ART NO: DY09000

Dynamical system is a multifunctional and open experimental platform, consists of herringbone base, multi-function rail (120 cm), dynamics system car, support bar, pulley, hooked weight, fence board, light blocking piece, collision spring, fasteners and etc. Use the dynamic system can complete many experiments related to dynamics. For instance, Explore the Rule of Uniform Variable Rectilinear Motion, Newton's Second Law, Theorem of Momentum, Theorem of Kinetic Energy and other mechanics important experiments.



Expert Data Logger

ART NO: DY09003

Screen: 10.1 Inch, Multi-point touch screen
 Processor: Intel Atom Z670
 CPU Clock Speed: 1.5G
 Chipset: Intel Sm35
 DDR: DDRII 2G
 HDD: 32G SSD
 Resolution: 1366*768
 Graphics chip: Intel GMA 600
 Wireless function: Support WIFI, Bluetooth
 Data interface: 1 USB2.0 interface
 Video interface: mini HDMI
 Audio interface: Earphone jack, microphone interface
 Other interface: Power interface, security slot
 Card reader: Multi-Card Reader
 Battery: 3600 mA
 Operating system: Support Win8 *

12-bit resolution
 30KHz collection frequency
 800 data record per second
 4 input ports (Rj45)
 1 output port for back control (Rj45)



Easy Data Logger

Art No: Dy09001

12-bit resolution
 30KHz collection frequency
 800 data record per second
 4 input ports (Rj45)
 1 output port for back control (Rj45)
 USB2.0 for connection to PC & Power supply
 Size: 110x65x24 mm



Voltage Sensor

Art No: DY10001
 Range: -25V ~ +25V
 Resolution: 0.01V
 Accuracy: ± 0.01V



Smart Data Logger

Art No: Dy09002

12-bit resolution
 30KHz collection frequency
 800 data record per second
 LCD: 128x64 Resolution, 3 Inches
 1800mAh rechargeable battery pack, 150-day standby
 USB2.0 for connection to PC & Power supply
 4 input ports (Rj45)
 1 output port for back control (Rj45)
 Ram 4MB, support 150,000 data storage
 Temperature Sensor Inside
 Anti splash film button
 Size: 166*116*43mm



Current Sensor

Art No: DY10002
 Range: -3.0 A ~ +3.0A
 Resolution: 0.001A
 Accuracy: ± 0.0015A



Micro Current Sensor

Art No: DY10003
Range: -10 μ A-10 μ A
Resolution: 0.005 μ A
Accuracy: \pm 0.1 μ A



Temperature Sensor

Art No: DY10004
Range: -50 C ~ +150 C
Resolution: 0.05 C
Accuracy: \pm 0.5 C



Gas Pressure Sensor

Art No: DY10005
Range: 0 ~ 700Kpa
Resolution: 0.025Kpa
Accuracy: \pm 0.5 Kpa



Force Sensor

Art No: DY10006
Range: -50 ~ +50N
Resolution: 0.004N
Accuracy: \pm 0.05N



Quick Temperature Sensor

Art No: DY10020
Range: -25 $^{\circ}$ C~100 $^{\circ}$ C
Resolution: 0.03 $^{\circ}$ C
Accuracy: \pm 0.5 $^{\circ}$ C



Voltage Sensor

Art No: DY10021
Range: -60mV~60mV
Resolution: 0.03mV
Accuracy: \pm 0.5mV



Light Sensor

Art No: DY10022
Triple Range
Range: 0~600LUX/ 0~6000LUX /0~50000LUX
Resolution: 0.15 LUX/ 1.5LUX/ 12 LUX
Accuracy: 1LUX/ 1LUX/ 1LUX



Thermal Radiation Sensor

Art No: DY10023
Range: -70 ~ 380 C
Resolution: 0.1 C
Accuracy: \pm 0.5 C



Motion Sensor

Art No: DY10007
Range: 20cm ~ 200cm
Resolution: 1mm
Accuracy: \pm 2%



Photogate

Art No: DY10008
Range: 1 ~ ∞ S
Resolution: 0.01ms



Acceleration Sensor

Art No: DY10009
Range: \pm 6g
Resolution: 0.003g
Accuracy: \pm 0.01g



Light Sensor

Art No: DY10010
Double Range:
Range: 0 ~ 6000LUX/ 0 ~ 50000LUX
Resolution: 1.5LUX/ 12.5LUX
Accuracy: 1LUX



Relative Pressure Sensor

Art No: DY10024
Range: -20 ~ +20Kpa
Resolution: 0.01Kpa
Accuracy: \pm 0.1Kpa



Surface Temperature Sensor

Art No: DY10025
Range: -30.0 ~ 150.0 C
Resolution: 0.05 C
Accuracy: \pm 0.5 C



Electronic Compass Sensor

Art No: DY10026
Range: 0 ~ 360 $^{\circ}$
Resolution: 0.1 $^{\circ}$
Accuracy: \pm 1 $^{\circ}$



High Temperature Sensor

Art No: DY11001
Range: -200 C ~ +1200 C
Resolution: 0.5 C
Accuracy: \pm 1 C



Magnetic Field Sensor

Art No: DY10011
Range: -64mT~+64mT
Resolution: 0.03mT
Accuracy: 0.03mT



Sound Sensor

Art No: DY10012
Double Range:
Range: 30~90dB / 80~110dB
Resolution: 0.015dB / 0.01dB
Frequency: 20Hz-20KHz



G-M Sensor

Art No: DY10013
Range: 0-40000c/min



Normal Open Sensor

Art No: DY10015
Range: 30V/1A



pH Sensor

Art No: DY11002
Range: 0 ~ 14 pH
Resolution: 0.01 pH
Accuracy: \pm 0.1



Conductivity Sensor

Art No: DY11003
Range: 0 ~ 3000 μ s/cm/
0~30000 μ s/cm
Resolution: 0.7 μ s/cm/ 8 μ s/cm
Accuracy: \pm 1 μ s/cm/ \pm 1 μ s/cm



Dissolved Oxygen Sensor

Art No: DY11005
Range: 0 ~ 20mg/L
Resolution: \pm 0.01 mg/L
Accuracy: \pm 0.2mg/L



Co2 Sensor

Art No: DY11006
Range: 0 ~ 100000PPm
Resolution: 2ppm
Accuracy: (0~5000ppm) 3%
(5000~50000ppm) 4%
(50000~100000ppm) 6%



Normal Close Sensor

Art No: DY10016
Range: 30V/1A



Motion Sensor

Art No: DY10017
Range: 40cm~600cm
Resolution: 1mm



Current Sensor

Art No: DY10018
Range: -20mA ~ +20mA
Resolution: 0.01mA
Accuracy: \pm 0.1mA



Electric Charge Sensor

Art No: DY10019
Double Range
Range: 0~22nC/0~220nC
Resolution: 0.01nC/0.1nC
Accuracy: 2% / 2%



Humidity Sensor

Art No: DY11007
Range: 0 ~ 100%
Resolution: 1%
Accuracy: \pm 2%



Turbidity Sensor

Art No: DY11009
Range: 0 ~ 400NTU
Resolution: 0.1NTU



ECG Sensor

Art No: DY11010
Range: 0 ~ 5mV
Resolution: 0.0025mV



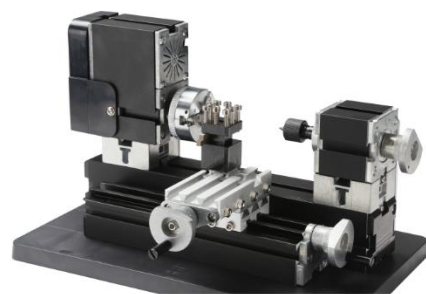
Drop Counter Sensor

Art No: DY11012
Range: 0 ~ ∞ C/ 0 ~ ∞ mL
Resolution: 1C/ 0.01mL
Accuracy: \pm 1C/ \pm 0.1mL



Big Power Mini Metal Kit 6 In 1

Art No: DY13001



Big Power Mini Metal Lathe

Art No: DY13002

Features:

1. Motor case and headstock are jointed. Maximum motor power is 144W by using more powerful motor.
2. Main parts: headstock, tail stock, long machine bed, big slider, small slider, motor blade, gear, connection piece, drive belt cover. All of the parts are made of metal except drive belt cover.
3. Center height- 50mm, distance between centers-135mm, motor speed normally will drop to 2000rpm/min when it machines metal.
4. Lathe tool is made of high speed steel quality material and it can machine soft metal, nonferrous metal and precious metal. By using central block, diameter can be expanded to 50mm.

Technical parameters:

1. Motor speed :12,000rpm/min(optional choice 20,000rpm/min)
2. Input voltage/current/power:12VDC/5A/60W
3. Maximum working material diameter:100mm
4. Working material length:135mm
5. Working material: lignin plastic, soft metal(gold, silver, copper, aluminum etc.), acrylic, plastic etc.
6. With 0.02mm scale line ,the hand wheel increases the precision when processing.
7. Motor power :144W
8. Axis Z travel 145mm, Axis X travel 32mm
9. Accuracy of process: 0.05mm,
10. Working material: soft metal (gold, silver, copper, aluminum etc.)

Features:

1. Motor case and headstock are jointed. Maximum motor power is 144W by using more powerful motor. Some parts are electroplated to make the machine more beautiful and practical. The parts in the kit can be assembled into 6 kinds of machines with different function- jigsaw, wood-turning lathe, metal lathe, milling machine, drilling machine, sanding machine, only one kind of machine can be assembled each time.
2. Main parts: headstock, central block, jigsaw base, jigsaw casing, motor blade, gear, woodturning chisel base, cross slider, big slider, drilling lever, drilling table, jigsaw table, connection piece, tailstock, sanding paper panel, machine vice(all of the parts above are made of metal), drive belt cover, grinding wheel, wheel guard.

Technical parameters:

1. Motor speed :12,000rpm/min(optional choice 20,000rpm/min)
2. Input voltage/current/power:12VDC/5A/60W
Switching power input:AC110V-240V
3. Jigsaw working table size:90mm*90mm
4. Maximum working material diameter of metal lathe and woodturning lathe:50mm
5. Working material length of metal lathe and woodturning lathe:135mm
6. Center height of metal lathe:50mm
7. Slider travel: axis X 145, axis Y 32, axis Z 32.
8. Collets:1-6mm
9. Drilling working table size: 123*100mm
10. Maximum workpiece size clamped by vice:50mm
11. Maximum workpiece diameter clamped by three-jaw chuck:50mm
12. All of the machines are safe touch except milling machines. It requests to be used under parents or teachers instruction when the milling machine is being used by the kids. Working material thickness of jigsaw: hardwood 4mm, plywood 7mm, soft wood 18mm, aluminum 0.5mm, acrylic 2mm. It is a good tool for families and schools to do model airplane and other wood model crafts.



Basic Machine Kit 6 In 1

Art No: DY13003

The parts in the kit can be assembled into 6 kinds of machines with different function- jigsaw, wood turning lathe, metal lathe, milling machine, drilling machine, sanding machine, only one kind of machine can be assembled each time.

1. Motor speed :20,000rpm/min(optional choice 12,000rpm/min)
2. Input voltage/current/power:12VDC/2A/24W
Switching power input:AC110V-240V
3. Jigsaw working table size:90mm*90mm
4. Maximum working material diameter of metal lathe and woodturning lathe:50mm
5. Working material length of metal lathe and woodturning lathe:135mm
6. Axis X travel: 30
7. Collets:1-6mm
8. Drilling working table size: 123*100mm
9. Maximum workpiece size clamped by machine vice:30mm
10. Maximum workpiece diameter clamped by three-jaw chuck:50mm
11. All of the machines are safe touch except milling machines. It requests to be used under parents or teachers instruction when the milling machine is being used by the kids. Working material thickness of jigsaw: hardwood 4mm, plywood 7mm, soft wood 18mm, aluminum 0.5mm, acrylic 2mm. It is a good tool for families and schools to do model airplane and other wood model crafts.



Big Power Mini Metal Kit With Bow Arm 10 In 1

Art No: DY13004

Features:

1. Motor case and headstock are jointed. Maximum motor power is 144W by using more powerful motor. Some parts are electroplated to make the machine more beautiful and practical. The parts in the kit can be assembled into 10 kinds of machines with different functions- bow-arm jigsaw, wood-turning lathe, metal lathe, beads machines, milling machine, drilling machine, sanding machine, hand-held machine, dividing machine, big wood-turning machine, only one kind of machine can be assembled each time.
2. Main parts: headstock, central block, jigsaw base, jigsaw casing, motor blade, gear, woodturning chisel base, cross slider, big slider, drilling lever, drilling table, jigsaw table, connection piece, tailstock, sanding paper panel, dividing positioner, vice(all of the parts above are made of metal), drive belt cover, grinding wheel, wheel guard.

Technical parameters:

1. Motor speed :12,000rpm/min(optional choice 20,000rpm/min)
2. Input voltage/current/power:12VDC/5A/60W,
Switching power input: 110V—240V
3. Jigsaw working table size:90mm*90mm
4. Maximum working material diameter of metal lathe and woodturning lathe:50mm
5. Working material length of metal lathe and woodturning lathe:135mm
6. Center height of metal lathe:75mm
7. Slider travel: axis X 145, axis Y 32, axis Z 32
8. Collets:1-6mm
9. Drilling working table size: 123*100mm
10. Maximum workpiece size clamped by vice:50mm
11. Maximum workpiece diameter clamped by three-jaw chuck:50mm
12. Maximum bead's diameter:20mm
13. Maximum workpiece diameter by big wood turning machine: 130mm
14. Workpiece length by metal lathe and wood-turning machine :280mm
15. All of the machines are safe touch except milling machines. It requests to be used under parents or teachers instruction when the milling machine is being used by the kids. Working material thickness of jigsaw: hardwood 4mm, plywood 7mm, soft wood 18mm, aluminum 0.5mm, acrylic 2mm. It is a good tool for families and schools to do model airplane and other wood model crafts.
16. The outer package, called as storage box, is made of plastic , not foam. Inside of the storage box, there are 3 transparent food-grade plastic box containing machine parts and other 2 transparent food-grade plastic box containing screws. With the good package, it is much easier for the students to store the machine parts and it also increases the machines service life. (Remark: to put the certain parts in a certain place, we designed 6 locating slots in the storage box and each locating slots is completely covered by the locating block . Therefore, the machine parts will be well packed and easily taken out.)



Gasoline Engine Section Demo Model

Art No: DY13005

About The Product:

The device adopts the whole clearly-designed cross section of Toyota Corolla 2ZR-FE electronically-controlled gasoline engine to illustrate the engine's internal and external structures and functioning. It applies to the teaching of the gasoline engine's working principle and mechanic structure.

Features:

1. It adopts the cross section of the electronically-controlled gasoline engine to illustrate the engine's internal and external structures.
2. The different components on the frame are painted with different colors.
3. The gasoline engine will operate slowly driven by a three-phase gear reduction motor, demonstrating the working process of components in the gasoline engine.
4. The moveable shelf is made of high-intensity steel and the surface is paint-coated. Self-retention wheels are installed to ensure that it is flexible and convenient.

Basic Parameter:

1. Size: 800mm x 600mm x 1200mm (length x width x height)
2. Driving power supply: three phase four wire (three phase five wire 380V ± 10% 50Hz)
3. Three-phase gear reduction sense motor
 - Model: 5IK120GN-C
 - Rated voltage: AC 220V/380V 50Hz
 - Rated power: 120 W
 - Rated rotation speed: 50Hz 90/1400rpm 60Hz 90/1500rpm
 - Reduction ratio: 30
4. Operating temperature: -40°C to +50°C

Equipment Model	Application Auto Model	Engine Parameter
DY13005.01	Toyota Corolla 2ZR-FE	Inline four-cylinder, Displacement: 1.8 L, maximum power: 100KW, Features: Dual VVT-i DOHC
DY13005.02	Toyota Vios 8A-FE	Inline four-cylinder, Displacement: 1.3 liters, maximum power: 63KW, Features: 16-valve DOHC
DY13005.03	Volkswagen Jetta 1.6L	Inline four-cylinder, displacement: 1.6 liters, maximum power: 70KW, features: two-valve single camshaft
DY13005.04	Volkswagen Santana AJR	Inline four-cylinder, Displacement: 1.8 liters, maximum power: 74 KW, features: 8-valve single overhead camshaft
DY13005.05	Volkswagen Passat 1.8T	Inline four-cylinder, Displacement: 1.8 liters, maximum power: 110KW, features: 5-valve DOHC, turbo
DY13005.06	Volkswagen TSI Magotan	Inline four-cylinder, Displacement: 1.4 liters, maximum power: 96KW, Features: 16-valve DOHC, direct injection, dual VVT technology, turbocharger
DY13005.07	Buick Regal 3.0L	V-type 6-cylinder, displacement: 3.0 liters, maximum power: 130KW, Features: 12- valve
DY13005.08	Honda Accord 2.4L	Inline four-cylinder, Displacement: 2.4 liters, maximum power: 125KW, Features: 16-valve DOHC, I-VTEC



Deluxe Wimshurst Machine

Art No: E01000
Diameter 400mm and
75mm max spark



Wimshurst Machine

Art No: E01001
Diameter 235mm



Wimshurst Machine

Art No: E01002.01
Diameter 235mm



Wimshurst Machine

Art No: E01002.02
Diameter 275mm



Pointer Electroscop

Art No: E01011B
With scale. Suitable for quantitative
demonstration of static electricity
in middle school. 2pcs/set.



Electrostatic Demonstration Kit

Art No: E01012
This set is to demonstrate experiments on
electrostatic in the physics course of middle
school. Consists of various individual instruments.
Size of box: 53x38x25cm



Leyden Jar Assembly

Art No: E01013



Van De Graff Generator

Art No: E01003
Used for physical experiments in
universities & middle schools as
high tension electrostatic source



Van De Graff Generator

Art No: E01003.02
The diameter of the sphere is 270mm,
overall size is 230x380x800mm.
Both DC motor and hand operated.



Van De Graff Generator

Art No: E01003.03
With 180mm s.steel sphere, wooden
base, DC motor operator. 80kv spark.
Overall size 190*280*480mm



Ammeter, DC

Art No: AMP001
Measuring Range: -0.2A~0~0.6A
-1A~0~3A



Ammeter, DC

Art No: AMP002
Measuring Range: 0~200μA



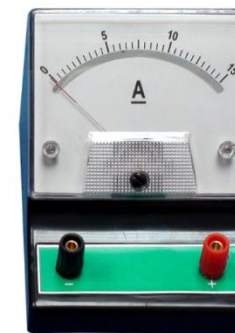
Ammeter, AC

Art No: AMP003
Measuring Range: 0~100mA
0~500mA



Ammeter, DC

Art No: AMP004
Measuring Range: 0~50mA
0~500mA



Ammeter, DC

Art No: AMP005
Measuring Range: 0-15A



Ammeter, DC

Art No: AMP006
Measuring Range: 0-100mA



Sphere Conductor

Art No: E01004



Pith Ball Electroscop

Art No: E01005



Spin Type Electroscop

Art No: E01006



Cylinder Conductor

Art No: E01007
To demonstrate the experiments
of electrostatic in middle school.



Aluminium-leaf Electroscop

Art No: E01008



Aluminium-leaf Electroscop

Art No: E01009



Gold Foil Electroscop

Art No: E01010
With scale. Suitable for quantitative
demonstration of static electricity
in middle school. With accessories.



Pointer Electroscop

Art No: E01011A
With scale. Suitable for quantitative
demonstration of static electricity
in middle school. 2pcs/set.



Ammeter, DC

Art No: AMP007
Measuring Range: 0~50mA
0~500mA 0~5A



Ammeter, DC

Art No: AMP008
Measuring Range: 0~10A



Ammeter, DC

Art No: AMP009
Measuring Range: 0~2.5A 0~5A



Ammeter, DC
Art No: AMP010.01
Measuring Range: 0~1A 0~5A



Ammeter, DC
Art No: AMP010.02
Measuring Range: 0~1A 0~5A



Ammeter, DC
Art No: AMP011
Measuring Range: -100mA~0~500mA
-10mA~0~50mA -1A~0~5A



Ammeter, DC
Art No: AMP096
Measuring Range: -1A~0~3A -0.2A~0~0.6A



Ammeter, DC
Art No: AMP097
Measuring Range: 0~500mA
0~50mA 0~5A Low Quality



Ammeter, DC
Art No: AMP098
Measuring Range: -1A~0~1A
Low Quality



Ammeter, DC
Art No: AMP012
Measuring Range: 0~1A



Ammeter, DC
Art No: AMP013
Measuring Range: 0~1A 0~3A



Ammeter, DC
Art No: AMP014
Measuring Range: 0~500mA
All ranges available upon request



Ammeter, DC
Art No: AMP099
Measuring Range: -50uA~0~50uA
Low Quality



Voltmeter, DC
Art No: VLT001
Measuring Range: -35mV~0~35mV



Voltmeter, DC
Art No: VLT002
Measuring Range: -35mV~0~35mV



Ammeter, DC
Art No: AMP015
Measuring Range: -35mA~0~35mA



Ammeter, DC
Art No: AMP016
Measuring Range: 0~10mA



Ammeter, DC
Art No: AMP017.01
Measuring Range: -500uA~0~500uA



Voltmeter, DC
Art No: VLT003
Measuring Range: -1V~0~3V -5V~0~15V



Voltmeter, DC
Art No: VLT004
Measuring Range: -1V~0~3V
-5V~0~15V



Voltmeter, DC
Art No: VLT005
Measuring Range: 0~3V 0~15V 0~300V



Ammeter, DC
Art No: AMP017.02
Measuring Range: -500uA~0~500uA



Ammeter, DC
Art No: AMP018
Measuring Range: -35uA~0~35uA



Ammeter, DC
Art No: AMP020
Measuring Range: -50uA~0~50uA



Voltmeter, DC
Art No: VLT007
Measuring Range: 0~5V



Voltmeter, DC
Art No: VLT008
Measuring Range: 0~3V 0~5V



Voltmeter, AC
Art No: VLT009
Measuring Range: 0~30V 0~300V



Voltmeter, DC

Art No: VLT010
Measuring Range: 0~300mV
0~3V 0~30V
All ranges available upon request



Voltmeter, DC

Art No: VLT011
Measuring Range:
0~300mV 0~3V 0~30V



Voltmeter, DC

Art No: VLT012
Measuring Range:
0~3V 0~30V 0~300V



Galvanometer

Art No: GLM002
Measuring Range:
-35~0 ~ +35



Galvanometer

Art No: GLM003
Measuring Range:
-50~0 ~ +50



Galvanometer

Art No: GLM004
Measuring Range:
-500~0 ~ +500



Basic Ampere-Voltage Meter, DC

Art No: AVM001
Measuring Range: 0 ~ 100mV; 0 ~ 1V;
0 ~ 10V; 0 ~ 50V
0 ~ 100uA; 0 ~ 100mA;
0 ~ 1A; 0 ~ 5A



Voltmeter, DC

Art No: VLT013
Measuring Range:
0~2V



Voltmeter, DC

Art No: VLT014
Measuring Range:
0~5V 0~15V



Voltmeter, DC

Art No: VLT015
Measuring Range:
0~3V 0~10V 0~15V



Miniature Lamp Holder

Art No: E02000
Screw type



Miniature Lamp Holder

Art No: E02001



Miniature Lamp Holder

Art No: E02002
With 4mm sockets.
Screw type on plastic base.



Miniature Lamp Holder

Art No: E02003
Plug type



Voltmeter, DC

Art No: VLT016
Measuring Range:
0~1V 0~3V



Voltmeter, DC

Art No: VLT017
Measuring Range:
0~3V 0~6V



Voltmeter, DC

Art No: VLT018
Measuring Range:
0~500mV



Miniature Lamp Holder

Art No: E02004.01
Screw type



Miniature Lamp Holder

Art No: E02004.02
Screw type with 4mm
banana socket



Miniature Lamp Holder

Art No: E02004.03
Screw type



Miniature Lamp Holder

Art No: E02005
With spring posts



Voltmeter, DC

Art No: VLT096
Measuring Range:
-5V~0~15V -1V~0~3V



Voltmeter, DC

Art No: VLT097
Measuring Range: 0~3V 0~15V
0~300V Low Quality



Galvanometer

Art No: GLM001
Measuring Range: -300 ~ 0 ~ +300



Miniature Lamp Holder Round

Art No: E02006



Miniature Lamp Holder

Art No: E02007



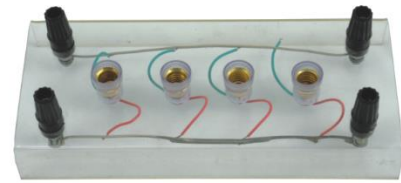
Switch

Art No: E02008

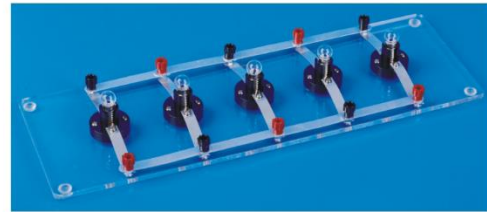


Buzzer

Art No: E02009



4-Lamp Board
Art No: E02010



5-Lamp Board
Art No: E02011



Miniature Lamps, Pk/10

Art No: E02013

Art No:	Rated Current
E02013.01	1.5V, 0.3A
E02013.02	1.5V, 3A
E02013.03	2.5V, 0.3A
E02013.04	2.5V, 3A
E02013.05	3.8V, 0.2A
E02013.06	3.8V, 3A
E02013.07	4.8V, 0.5A
E02013.08	6.2V, 0.5A
E02013.09	6.2V, 5A
E02013.10	12V, 0.1A
E02013.11	12V, 0.3A
E02013.12	12V, 7A



Light Source with Battery Holder
Art No: E02012



D Cell Battery Holder
Art No: E03001
4pcs/set



D Cell Battery Holder
Art No: E03002
4pcs/set



D Cell Battery Holder, Button Type
Art No: E03003



D Cell Battery Holder
Art No: E03004
4pcs/set, blue or yellow



D Cell Battery Holder
Art No: E03005
4pcs/set, yellow



3A Battery Holder
Art No: E03006
4pcs/set, button type, good quality



1-D Cell Battery Holder
Art No: E03009.01
With 4mm sockets



2-D Cell Battery Holder Set
Art No: E03009.02
With 4mm sockets

4-D Cell Battery Holder Set
Art No: E03009.03
With 4mm sockets



Battery Holder Set
Art No: E03007
4pcs D cell battery holder on base
With 4mm sockets



Battery Holder Set
Art No: E03008
4pcs D cell battery holder on base
With 4mm sockets



D Cell Battery Holder with Clips
Art No: E03010



D Cell Battery Holder with Leads
Art No: E03011



C Cell Battery Holder with Leads
Art No: E03012



AA Cell Battery Holder with Leads
Art No: E03013



AAA Battery Holder
Art No: E03014



D Cell Battery Holder
Art No: E03015



D Cell Battery Holder
Art No: E03016



D Cell Battery Holder
Art No: E03017



D Cell Battery Holder Set
Art No: E03018
4pcs in one



D Cell Battery Holder Set
Art No: E03019
4pcs in one



D Cell Battery Holder Set
Art No: E03020
3pcs in one



AA Cell Battery Holder Set
Art No: E03021
2pcs in one



AA Cell Battery Holder Set
Art No: E03022
4pcs in one



Knife Switch
Art No: E04001.01
Single knife, single throw,
screw posts



Knife Switch
Art No: E04001.02
Single knife, single throw,
screw posts



Knife Switch
Art No: E04001.03
Single knife, single throw,
with 4mm banana socket



Knife Switch

Art No: E04001.04
Single knife, single throw, spring posts



Knife Switch

Art No: E04002.01
Single knife, double throw, with 4mm sockets



Knife Switch

Art No: E04002.02
Single knife, double throw, screw posts



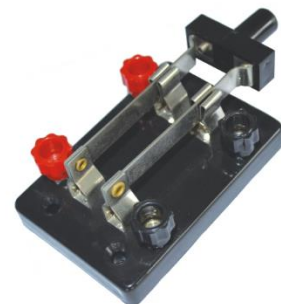
Knife Switch

Art No: E04002.03
Single knife, double throw, screw posts



Knife Switch

Art No: E04002.04
Single knife, double throw, spring posts



Knife Switch

Art No: E04003.01
Double knife, single throw, screw posts



Knife Switch

Art No: E04003.02
Double knife, single throw, with 4mm sockets



Knife Switch

Art No: E04003.03
Double knife, single throw, screw posts



Knife Switch

Art No: E04004.01
Double knife, double throw, screw posts



Knife Switch

Art No: E04004.02
Double knife, double throw, with 4mm sockets



Knife Switch

Art No: E04004.03
Double knife, double throw, screw posts



Knife Switch

Art No: E04004.04
Double knife, double throw, spring posts



Contact Key

Art No: E04005



Switch

Art No: E04006



Economy Switch

Art No: E04007



Sliding Contact Rheostat

Art No: E05000
Specifications
Resistance tolerance: $\pm 10\%$
Insulation resistance: $> 3 \times 10^9 \Omega$
Earthing resistance: $< 0.1 \Omega$
Rated resistance: see table
Dimensions (W x H x D): 285 x 140 x 95 mm
Ceramic Pipe diameter: 47 mm
Weight (kg): 1.8
Art No: E05000.01 Resistance (Ω): 10, Max. Current: 4A
Art No: E05000.02 Resistance (Ω): 33, Max. Current: 2.2A
Art No: E05000.03 Resistance (Ω): 100, Max. Current: 1.25A
Art No: E05000.04 Resistance (Ω): 330, Max. Current: 0.7A
Art No: E05000.05 Resistance (Ω): 1000, Max. Current: 0.4A
Art No: E05000.06 Resistance (Ω): 3300, Max. Current: 0.22A



Sliding Rheostat

Art No:	Resistance	Rated Current
E05001.01	0~5 Ω	3A
E05001.02	0~10 Ω	2A
E05001.03	0~20 Ω	2A
E05001.04	0~50 Ω	2A
E05001.05	0~50 Ω	1.5A
E05001.06	0~200 Ω	1.25A
E05001.07	0~1750 Ω	0.3A
E05001.08	0~2000 Ω	0.3A



Sliding Rheostat

Art No:	Resistance	Rated Current
E05002.01	0~5 Ω	3A
E05002.02	0~10 Ω	2A
E05002.03	0~20 Ω	2A
E05002.04	0~50 Ω	2A
E05002.05	0~50 Ω	1.5A
E05002.06	0~200 Ω	1.25A
E05002.07	0~1750 Ω	0.3A
E05002.08	0~2000 Ω	0.3A



Plug Key, 1 Way

Art No: E04008



Plug Key, 2 Way

Art No: E04009



Resistance Coil

Art No: E05003.01, 1 Ω
Art No: E05003.02, 5 Ω
Art No: E05003.03, 10 Ω



Resistance Coil

Art No:	Resistance	Rated Current
E05004.01	1 Ω	1A
E05004.02	2 Ω	1A
E05004.03	3 Ω	1A
E05004.04	4 Ω	1A
E05004.05	5 Ω	1A



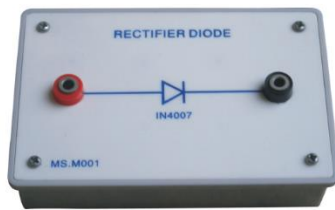
Resistance Coil

Art No:	Resistance	Rated Current
E05005.01	1 Ω	1A
E05005.02	2 Ω	1A
E05005.03	3 Ω	1A
E05005.04	4 Ω	1A
E05005.05	5 Ω	1A



Resistance Box, 9.99 Ω

Art No: E05006
Other ranges available



Rectifier Diode

Art No:E07011



Single-Throw Single-Knife Switch with Plastic Box

Art No:E07012



Single-Knife Double-Throw Switch with Plastic Box

Art No:E07013



Circuit Board with Variable Resistor

Art No:E07014



220V Analog Circuitry for Household Electric Apparatus

Art No: E07015



A variety Kinds of Capacitance

Art No: E07016



Buzzer with Plastic Box

Art No: E07017



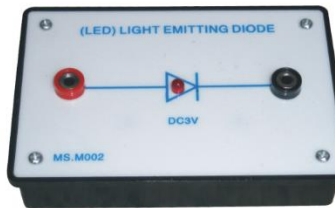
Fuse Box

Art No: E07018



Changes of Electric Current in an Electric Circuit

Art No: E07021



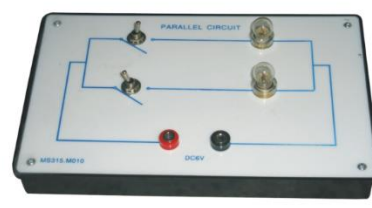
(LED) Light Emitting Diode

Art No: E07022



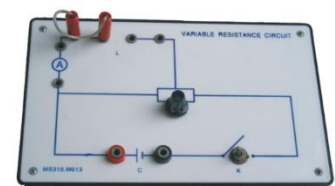
Circuit Board with Fuse

Art No: E07023



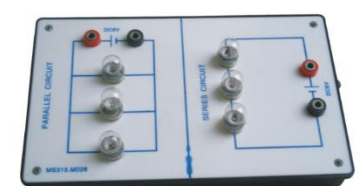
Parallel Circuit

Art No: E07025



Variable Resistance Circuit

Art No: E07026



Parallel & Series Circuits

Art No: E07027



Transformer 6/24 V-30 VA

Art No:E07028



Student Power Supply

Art No: POW001
DC Output: 0 ~25V continuously adjustable; output current: 6A
AC Output: 0 ~25V continuously adjustable; output current: 6A



Student Power Supply

Art No: POW002
DC Output: 1.5V, 3V, 4.5V, 6V, 9V, 12V, 15V, 18V, 24V total 9 ranges; output current: 6A
AC Output: 6V, 9V, 12V; output current: 6A



Teaching Power Supply for Senior High School

Art No: POW003
DC output:1-25V,one gear 2V,total 12 gears;Output current: 2A
AC output:2-24V,one gear 2V,total 12 gears;Output current: 3A
Big DC current output: 40A,auto cutoff after 8S.



Student Power Supply

Art No: POW004
AC & DC 3A, 2V ~16V, 8 ranges;
DC stabilized 0.3A, 6V
Automatic protection



Student Power Supply

Art No: POW005
AC & DC 6A, 2V ~24V, 12 ranges;
DC stabilized 1A, 6V- 9V- 12V, 3 Ranges
Automatic protection



Student Power Supply

Art No: POW006
DC Output: 2A, 2V ~18V, 8 ranges
AC Output I: 10A, 6V
AC Output II: 2A, 2V ~18V, 8 ranges



Student Power Supply

Art No: POW007
DC Output: 1.5A, 1.5V ~12V, 6 ranges
AC Output: 2A, 2V ~12V, 6 ranges
Automatic protection



Student Power Supply

Art No: POW009
Input: 220V
Output: DC 3V,4.5V,6V,7.5V,9V,12V
With fuse.



AC/DC Power Supply

Art No: POW011
DC & AC 2-12V,total 6 grades,current 5A
Overload self protection.



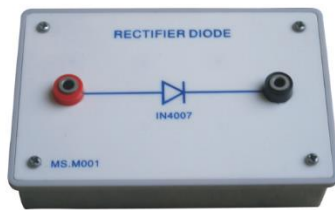
Student Power Supply

Art No: POW010.01, Output Current: 4A
Art No: POW010.02, Output Current: 6A
Art No: POW010.03, Output Current: 8A
Art No: POW010.04, Output Current: 10A
Input Voltage: AC220V 50Hz
Output Voltage: AC 1V 2V 3V 4V 5V 6V 7V 8V 9V 10V 11V 12V 13V
DC 1V 2V 3V 4V 5V 6V 7V 8V 9V 10V 11V 12V 13V
Automatic overload protection



AC/DC Power Supply

Art No: POW011.02
AC/DC 0-12V,total 7 grades,max current 2A
Overload self protection



Rectifier Diode

Art No:E07011



Single-Throw Single-Knife Switch with Plastic Box

Art No:E07012



Single-Knife Double-Throw Switch with Plastic Box

Art No:E07013



Circuit Board with Variable Resistor

Art No:E07014



220V Analog Circuitry for Household Electric Apparatus

Art No: E07015



A variety Kinds of Capacitance

Art No: E07016



Buzzer with Plastic Box

Art No: E07017



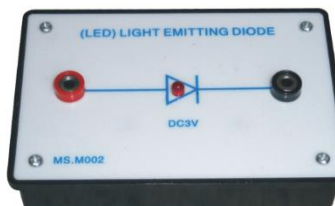
Fuse Box

Art No: E07018



Changes of Electric Current in an Electric Circuit

Art No: E07021



(LED) Light Emitting Diode

Art No: E07022



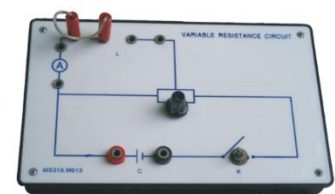
Circuit Board with Fuse

Art No: E07023



Parallel Circuit

Art No: E07025



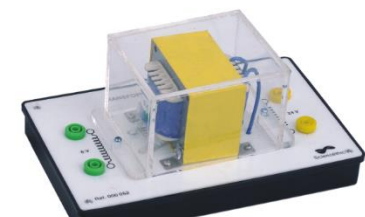
Variable Resistance Circuit

Art No: E07026



Parallel & Series Circuits

Art No: E07027



Transformer 6/24 V-30 VA

Art No:E07028



Student Power Supply

Art No: POW001
DC Output: 0 ~25V continuously adjustable; output current: 6A
AC Output: 0 ~25V continuously adjustable; output current: 6A



Student Power Supply

Art No: POW002
DC Output: 1.5V, 3V, 4.5V, 6V, 9V, 12V, 15V, 18V, 24V total 9 ranges; output current: 6A
AC Output: 6V, 9V, 12V; output current: 6A



Teaching Power Supply for Senior High School

Art No: POW003
DC output:1-25V,one gear 2V,total 12 gears;Output current: 2A
AC output:2-24V,one gear 2V,total 12 gears;Output current: 3A
Big DC current output: 40A,auto cutoff after 8S.



Student Power Supply

Art No: POW004
AC & DC 3A, 2V ~16V, 8 ranges;
DC stabilized 0.3A, 6V
Automatic protection



Student Power Supply

Art No: POW005
AC & DC 6A, 2V ~24V, 12 ranges;
DC stabilized 1A, 6V, 9V, 12V, 3 Ranges
Automatic protection



Student Power Supply

Art No: POW006
DC Output: 2A, 2V ~18V, 8 ranges
AC Output I: 10A, 6V
AC Output II: 2A, 2V ~18V, 8 ranges



Student Power Supply

Art No: POW007
DC Output: 1.5A, 1.5V ~12V, 6 ranges
AC Output: 2A, 2V ~12V, 6 ranges
Automatic protection



Student Power Supply

Art No: POW009
Input: 220V
Output: DC 3V,4.5V,6V,7.5V,9V,12V
With fuse.



AC/DC Power Supply

Art No: POW011
DC & AC 2-12V,total 6 grades,current 5A
Overload self protection.



Student Power Supply

Art No: POW010.01, Output Current: 4A
Art No: POW010.02, Output Current: 6A
Art No: POW010.03, Output Current: 8A
Art No: POW010.04, Output Current: 10A
Input Voltage: AC220V 50Hz
Output Voltage: AC 1V 2V 3V 4V 5V 6V 7V 8V 9V 10V 11V 12V 13V
DC 1V 2V 3V 4V 5V 6V 7V 8V 9V 10V 11V 12V 13V
Automatic overload protection



AC/DC Power Supply

Art No: POW011.02
AC/DC 0-12V,total 7 grades,max current 2A
Overload self protection



AC/DC Power Supply

Art No: POW011.03
AC/DC 0-12V, total 5 grades, max current 3A
Overload self protection



AC/DC Power Supply

Art No: POW012
AC/DC 2-16V, total 8 grades, current 3A
Overload self protection.



AC/DC Power Supply

Art No: POW013
DC & AC 2-12V, total 6 grades, current 5A
Overload self protection.



Automatic Voltage Regulator

Art No: POW018
Input voltage: AC50V~130V or 160V~250V
With over current protector
With output voltage indication
Output voltage: AC220V/110V±2%
With 110V/220V input voltage selector switch
Rated power: 5000W



Automatic Voltage Regulator

Art No: POW019
Input voltage: AC50V~130V or 160V~250V
With over current protector
With output voltage indication
Output voltage: AC220V/110V±2%
With 110V/220V input voltage selector switch
Rated power: 1500W



Automatic Voltage Regulator

Art No: POW020
Input voltage: AC140V~250V 50Hz/60Hz
With 3sec/3min delay function
Output voltage: AC220V±8%
With 110V/220V input voltage selector switch
With low/over voltage protection
Rated power: 10000W



AC/DC Power Supply

Art No: POW013.02
DC & AC 2-12V, total 6 grades, current 5A
Overload self protection.



AC/DC Power Supply

Art No: POW014
AC 0-24V, total 9 grades, current 3A
DC 0-24V, total 9 grades, current 2A
Overload self protection.



DC Power Supply

Art No: POW015.01
DC 0-6V, total 5 grades, max current 1A
Overload self protection



DC Power Supply

Art No: POW015.02
DC 0-12V, total 8 grades, max current 5A
Overload self protection



AC/DC Power Supply

Art No: POW015
AC 2-24V, LCD
Total 11 grades, current 3A, 6A, 12A
DC 1-25V
Total 11 grades, current 2A, 4A, 6A, LCD
Max current 40A(DC),
over loading self protection.



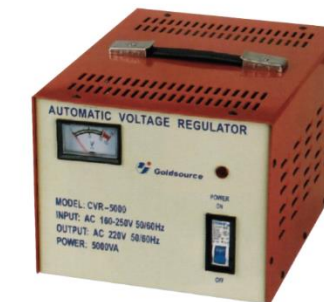
AC/DC Power Supply

Art No: POW016
AC/DC 2-12V, LCD
Total 11 grades, current 5A
overload self protection.



Automatic Voltage Regulator

Art No: POW021
Input voltage: AC75V~130V or 180V~260V
With over current protector
With output voltage indication
Output voltage: AC220V/110V±4%
With 110V/220V input voltage selector switch
Rated power: 5000W



Automatic Voltage Regulator

Art No: POW022
Input voltage: 160V~250V
With over current protector
With output voltage indication
Output voltage: AC220V/110V±8%
Rated power: 5000W



Automatic Voltage Regulator

Art No: POW023
Input voltage: AC80V~130V or 160V~250V
With over current protector
With output voltage indication
Output voltage: AC220V/110V±8%
Rated power: 5000W



AC/DC Power Supply

Art No: POW016.02
AC/DC 2-12V, total 11 grades, max current 8A
Overload self protection



AC/DC Power Supply

Art No: POW016.03
AC/DC 2-12V LCD display, total 11 grades, max current 8A
Overload self protection



AC/DC Power Supply

Art No: POW016.04
AC/DC 2-24V LCD display, total 11 grades, max current 2A
Overload self protection



Automatic Voltage Regulator

Art No: POW024
Input voltage: AC40V~120V or 140V~240V
With output voltage indication
Output voltage: AC220V/110V
Rated power: 5000W



DC Power Supply

Art No: POW025.01, Output Current: 0 ~ 1A
Art No: POW025.02, Output Current: 0 ~ 2A
Art No: POW025.03, Output Current: 0 ~ 3A
Art No: POW025.04, Output Current: 0 ~ 5A
Art No: POW025.05, Output Current: 0 ~ 10A
One channel output
Output voltage: 0 ~ 30V
2 LED digital displays display output voltage and current each
Constant voltage and current-stabilizer are auto-changeable
Automatic overload protection



DC Power Supply

Three channels output ,two adjustable,one fixed;
Four LED indicate two channels of output voltage and current value each;
Two adjustable outbale has constant voltage and current and auto-switched;
Current-limit protection and the limit point can be adjustable optionally;
Two channels of output voltage can be in series or parallel arbitrarily, and track voltage and current (in parallel) with master power;
Overload and short circuit protection.

Art No.	POW026.01	POW026.02	POW026.03
Speciflcation	Adjustable Fixed	Adjustable Fixed	Adjustable Fixed
Output voltage	0~30V 5V	0~30V 5V	0~30V 5V
Output current	0~2A 2A	0~3A 3A	0~5A 5A



Programmable DC Power Supply

Art No.: POW027

- Output voltage: 0 ~ 32V
- 2 LED digital displayers display output voltage and current each
- Constant voltage and current-stabilizer are auto-changeable
- Automatic overload protection

Art No.	POW027.03	POW027.04
Output voltage	0~32V	0~32V
Output current	0~3A	0~5A
Power	115W	192W
Input	110~127V/220~240V	110~127V/220~240V



DC Power Supply

Art No.: POW028

Characteristics

- Small size,easy to carry
- Constant voltage/constant current output
- Temperature control protection
- High precision,three bit display
- The voltage/current value can be adjusted continuously in scale value
- High load carrying capacity
- Multiple protection, safe and durable
- CC/CV automatic switchover

Art No.	Output Mode	Voltage and current	Display Mode	Display Resolution
POW028.01	Single circuit	30V/3A	Three digit display	10mA/100mV
POW028.02	Single circuit	30V/5A	Three digit display	10mA/100mV
POW028.03	Single circuit	60V/3A	Three digit display	10mA/100mV
POW028.04	Single circuit	60V/5A	Three digit display	10mA/100mV



Electric Induction Coil

Art No: E08001
It produces high voltage of 100KV.



Electric Induction Coil

Art No: E08002
It produces high voltage of 100KV.



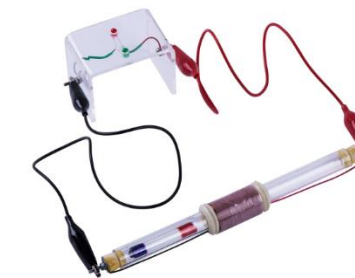
Electric Induction Coil

Art No:E08003
It produces high voltage of 100KV.



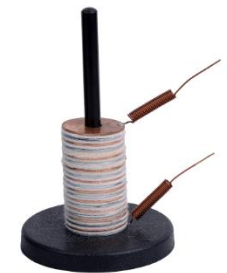
Body Conductor

Art No:E08005



Demonstrator of Electricity Generation

Art No:E08006



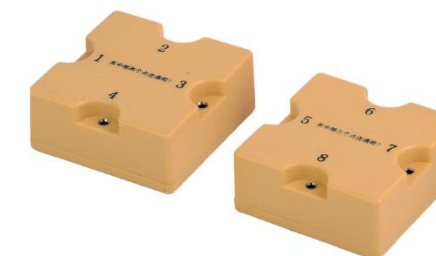
Volta Cell

Art No:E08007



Chemical Effect Experiment Demonstrator

Art No:E08008



Electric Circuit Obscure Box

Art No:E08011
Electric Circuit Obscure Box,Pk/2



Demonstrator of Metal Resistance Changing with Temperature

Art No:E08014



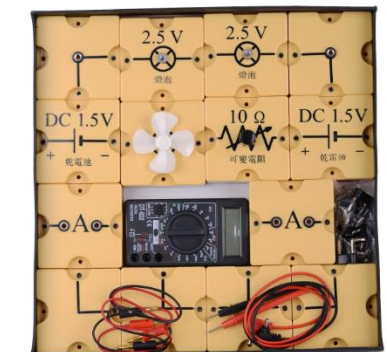
A: Black



B: Yellow

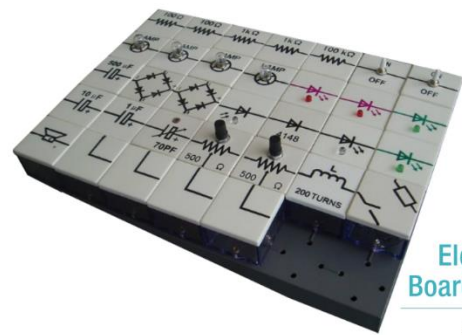
Electricity and Magnetism Kit

Art No: E08015



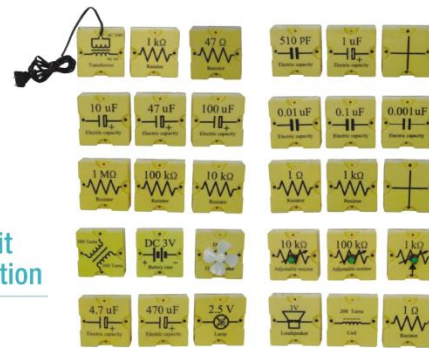
Basic Circuit Demonstrator

Art No: E08016



Electronic Circuit Board, Primary Edition

Art No: E08018



Transistor Characteristic survey

Art No: E08019



Electricity Kit for Primary School

Art No: E08020



Solution Conductivity Tester

Art No: E08027



High Frequency Signal Generator

Art No: E08030



Teaching Signal Generator

Art No: E08031



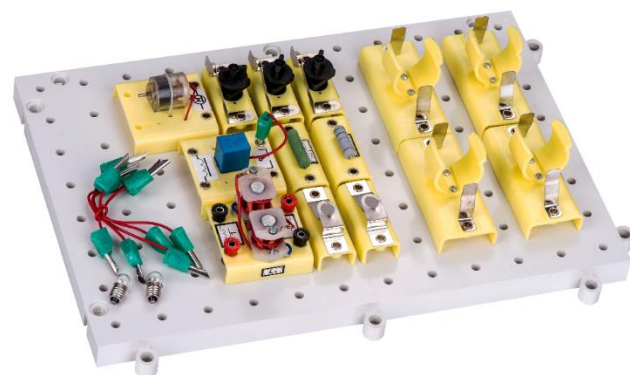
Signal Generator for Students

Art No: E08032



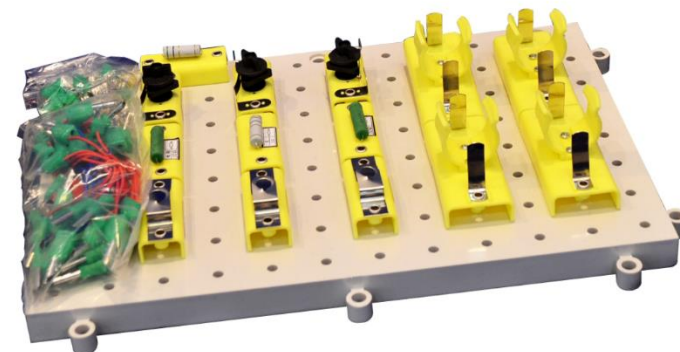
Frequency Sweeper for Teaching

Art No: E08033



Electronic Circuit Board for Students

Art No: E10002
Can make about 18 basic electronic experiments for junior school



Experiment Circuit Demonstrator

Art No: E10005
Can demonstrate about 8 basic electronic experiments for junior school

Clamp Multimeter

MLM001
3 1/2 digits LCD
Data hold and continuity check with buzzer
DC voltage: 600V
AC voltage: 450V
AC current: 20/200/400A
Resistance: 2K/200KΩ



Clamp Multimeter

MLM002
Clamp Multimeter 3 1/2 digits LCD
Data hold and Overload Protection
DC voltage: 1000V
AC voltage: 750V
AC current: 200/1000A
Resistance: 200/20KΩ
Insulation Test: 20M/2000MΩ



Clamp Multimeter

MLM003
Data hold and continuity check with buzzer
DC voltage: 1000V
AC voltage: 200V/600V
AC current: 200/600A
Resistance: 200Ω



Clamp Multimeter

MLM004
DCV: 1000V ±(0.5% + 1)
ACV: 750V ±(1% + 4)
ACA: 200A-1000A ±(2% + 5)
OHM: 200-20KΩ ±(2% + 2)
Continuity Beeper: yes
Insulation Test: yes
Data Hold: yes
Power: 9V 6F22
Maximum Display: 1999
Display Size: 14*47mm



Clamp Multimeter

MLM005
DCV : 200mV/2V/20 V/200V±0.5% ±3/600V±0.8%±3
ACV: 2V/20V/200V±0.8%±3/600V±1.2%±3
DCA: 200uA/2000uA/20mA±1.0%±2/200mA ±1.2%±2
ACA: 200uA/2000uA/20mA±1.8%±3/200mA ±2.0%±3/2A±2.5%±5/20A/200A±2.0% ±5/500A±2.0%±7
Ω : 200Ω /2000Ω/20KΩ/200KΩ/2MΩ±2.0% ±7/20±2.0%±7
Diode Test: Test current 0.6mA; test voltage 1.5V
Continuity Test < 50Ω Buzzer



Digital Multimeter

MLM007
3 1/2 digits LCD
Diode test and transistor and overload protection
DC voltage: 200m/2000m/20/200/1000V
AC voltage: 200/750V
DC current: 200u/2000u/20m/200m/10A
Resistance: 200/2K/20k/200K/2000KΩ



Display: 3 1/2 digit LCD 1999 count
Display hold Auto power off
Auto range Low battery indication

MLM006
With all function of MLM005, and Temperature Test: -20°C to 400°C (-4E to 752E) ±5% ±3/+400°C to 750°C (752E to 138E) ±2%

Digital Multimeter

MLM008
3 1/2 digits LCD
Continuity check with buzzer
Diode test and transistor and overload protection
DC voltage: 200m/2000m/20/200/1000V
AC voltage: 200/750V
DC current: 2000u/20m/200m/10A
Resistance: 200/2K/20K/200K/2000KΩ



Digital Multimeter

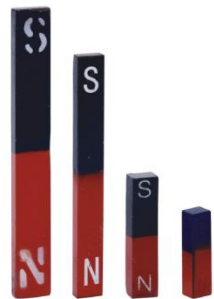
MLM009
DCV: 200mV-600V, ±(0.5%+2)
ACV: 200V-600V, ±(1.2%+10)
DCA: 2000uA-10A, ±(1%+2)
OHM: 200Ω-2MΩ, ±(0.8%+2)
hFE: yes
Diode Test: yes
Continuity Buzzer: yes
Data hold for easy reading
Maximum Display: 1999





Magnetism Kit for Primary School

Art No: EMT01011



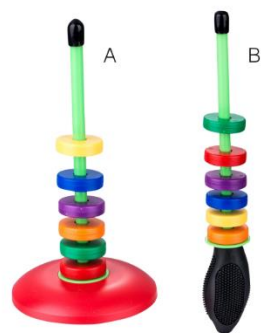
Bar Magnet in Pair

Art No:	Material:	Size:
EMT02002.01	Steel	180x27x15mm
EMT02002.02		170x20x10mm
EMT02002.03		115x15x9mm
EMT02002.04		75x15x9mm
EMT02002.05		55x14x10mm



Magnetic Ring

Art No: EMT02004
Size: Dia 32mm



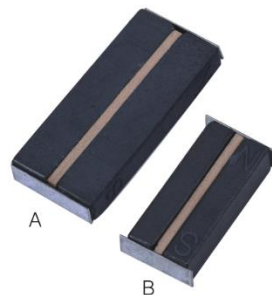
Magnetic Floating Demo

Art No: EMT02008A With Stand
Art No: EMT02008B Hand Held



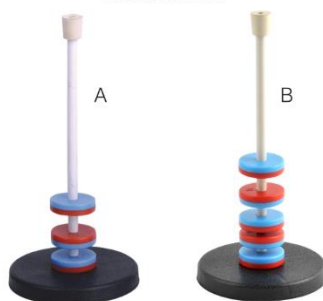
Electromagnet Kit

Art No: EMT01012



Bar Magnet in Pair

Art No: EMT02003
Material: Ferrite
A: 70x10x15mm
B: 50x8x12mm



Magnetic Floating Demo

Art No: EMT02005



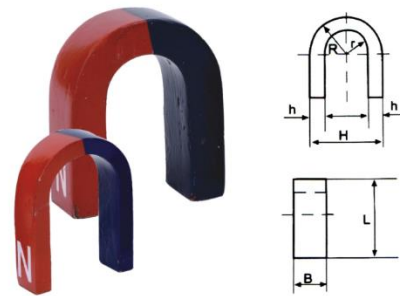
Magnetic Floating Demo

Art No: EMT02006



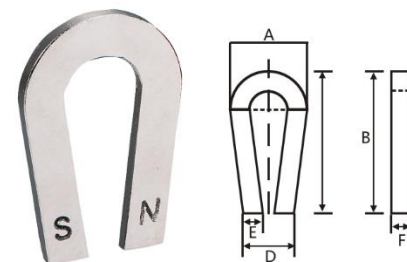
Magnetic Floating Demo

Art No: EMT02007



U Magnet

Art No:	Material:	Size:
EMT02001	Steel	LxHxBxh
EMT02001.01		45x50x22x13mm
EMT02001.02		65x55x13.7x10.5mm
EMT02001.03		80x62x20x10mm
EMT02001.06		106x86x33.5x20mm
EMT02001.07		78x60x29x15mm
EMT02001.08		42x64x38x14mm
EMT02001.09		80x75x40x16mm
EMT02001.10		100x75x40x16mm



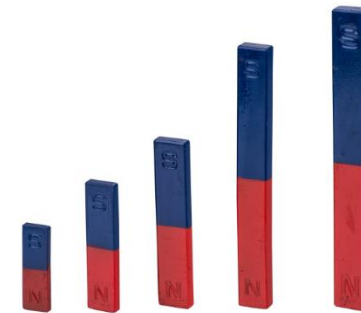
Horseshoe Magnet

Art No: EMT02009 Material: Steel
Size: 74(B)x37(D)x14(E)x5(F)mm x 49mm(A)



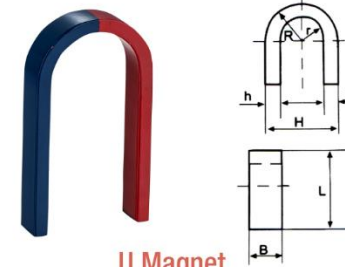
U Magnet

Art No:	Material:	Size:
EMT02010	Ferrite	LxHxB
EMT02010.01		30x30x8x7U
EMT02010.02		42x38x8x7U
EMT02010.03		42x36x9.5x7U
EMT02010.04		48x42x11x8U
EMT02010.05		51x47x11x7U
EMT02010.06		61x52x12x9U
EMT02010.07		67x54x14x12U
EMT02010.08		70x50x12x12U
EMT02010.09		70x58x15x11U
EMT02010.10		80x62x10x20U
EMT02010.11		84x80x15x22U
EMT02010.12		95x63x10x17U
EMT02010.13		106x86x20x30U



Bar Magnet

Art No:	Material:	Size:
EMT02011	Ferrite	
EMT02011.01		30x8.5x7
EMT02011.02		36x9x6
EMT02011.03		37x15.5x5
EMT02011.04		40x9x5
EMT02011.05		40x9x9
EMT02011.06		50x9x9
EMT02011.07		50x16x4
EMT02011.08		50x14x10
EMT02011.09		50x9x9
EMT02011.10		57x18x10
EMT02011.11		58x8x6
EMT02011.12		60x15x9
EMT02011.13		60x15x4.5
EMT02011.14		60x20x10
EMT02011.15		70x15x7
EMT02011.16		70x15x9.5
EMT02011.17		75x13x6.6
EMT02011.18		75x18x6.5
EMT02011.19		75x13x6.6
EMT02011.20		100x20x5
EMT02011.21		100x20x6.5
EMT02011.22		100x20x7
EMT02011.23		110x22x10
EMT02011.24		120x22x10
EMT02011.25		150x18x7
EMT02011.26		150x18x9
EMT02011.27		150x25x15
EMT02011.28		170x20x10



U Magnet

Art No:	Material:	Size:
EMT02012	Alnico	LxHxBxh
EMT02012.01		45x50x22x13
EMT02012.02		65x55x13.7x10.5
EMT02012.03		80x62x20x10
EMT02012.04		78x60x29x15
EMT02012.05		62x70x51x20
EMT02012.07		80x75x40x16
EMT02012.08		106x86x33.5x20
EMT02012.09		95x62x20x10
EMT02012.10		95x62x17x10



Bar Magnet

Art No:	Material:	Size:
EMT02013	Alnico	
EMT02013.01		55x14x10
EMT02013.02		75x15x10
EMT02013.03		115x15x9
EMT02013.04		170x20x10
EMT02013.05		180x27x15



Cow Bar

Art No: EMT02016
Size: Dia 20 x 77mm



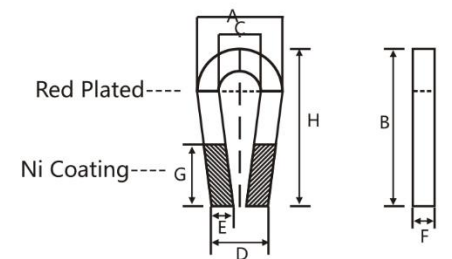
Powerful Horseshoe Magnet

Art No: EMT02014
Colors available: Red, Blue and Yellow



Magnet Wand

Art No: EMT02015
It comes with 12 magnetic marbles



Horseshoe Magnet

Art No:	Material:	Dimensions (mm)
EMT02017	Alnico	
Item Code		A B C D E F G
EMT02017.01		40 76 21 26 7.4 6.3 28
EMT02017.02		40 75 20 25.3 10 5 29
EMT02017.03		50 100 26 31.5 12 6 39
EMT02017.04		60 125 32 38.5 15 6 49



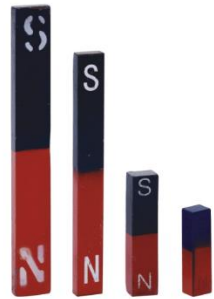
Horseshoe Magnet

Art No:	Material:	Dimensions (mm)	Painted
EMT02018	Alnico		
Item Code		A B C E D R1 R2	
EMT02018.01		24.40 22.23 7.62 7.94 9.54 14.29 4.75	Red
EMT02018.02		28.50 18.50 6.35 4.00 11.00 14.00 6.00	Red
EMT02018.03		35.00 27.00 15.88 9.53 9.53 16.67 7.14	Red
EMT02018.04		38.10 41.28 14.27 15.88 19.05 23.00 6.35	Red
EMT02018.05		46.00 55.56 23.81 12.70 27.00 57.15 30.15	Red
EMT02018.06		63.50 63.50 19.05 19.05 25.53 38.10 15.87	Red



Magnetism Kit for Primary School

Art No: EMT01011



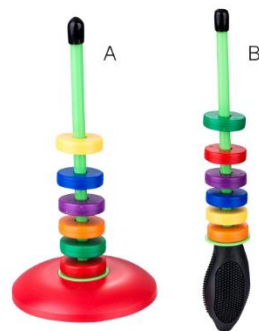
Bar Magnet in Pair

Art No:	Material:	Size:
EMT02002.01	Steel	180x27x15mm
EMT02002.02		170x20x10mm
EMT02002.03		115x15x9mm
EMT02002.04		75x15x9mm
EMT02002.05		55x14x10mm



Magnetic Ring

Art No: EMT02004
Size: Dia 32mm



Magnetic Floating Demo

Art No: EMT02008A With Stand
Art No: EMT02008B Hand Held



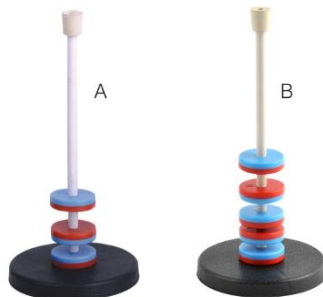
Electromagnet Kit

Art No: EMT01012



Bar Magnet in Pair

Art No: EMT02003
Material: Ferrite
A: 70x10x15mm
B: 50x8x12mm



Magnetic Floating Demo

Art No: EMT02005



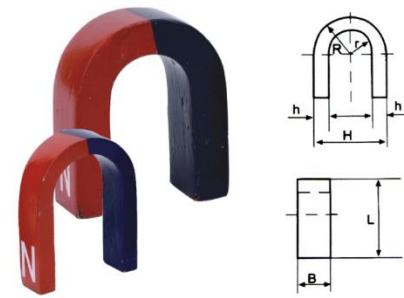
Magnetic Floating Demo

Art No: EMT02006



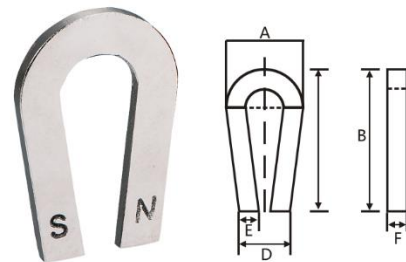
Magnetic Floating Demo

Art No: EMT02007



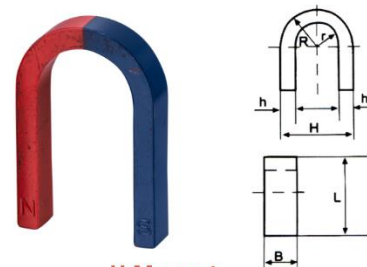
U Magnet

Art No:	Material:	Size:
EMT02001	Steel	LxHxB
EMT02001.01		45x50x22x13mm
EMT02001.02		65x55x13.7x10.5mm
EMT02001.03		80x62x20x10mm
EMT02001.06		106x86x33.5x20mm
EMT02001.07		78x60x29x15mm
EMT02001.08		42x64x38x14mm
EMT02001.09		80x75x40x16mm
EMT02001.10		100x75x40x16mm



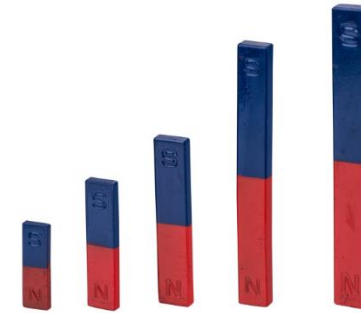
Horseshoe Magnet

Art No: EMT02009 Material: Steel
Size: 74(B)x37(D)x14(E)x5(F)mm x 49mm(A)



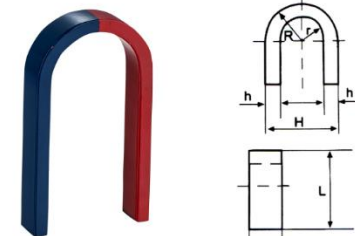
U Magnet

Art No:	Material:	Size:
EMT02010	Ferrite	LxHxB
EMT02010.01		30x30x8x7U
EMT02010.02		42x38x8x7U
EMT02010.03		42x36x9.5x7U
EMT02010.04		48x42x11x8U
EMT02010.05		51x47x11x7U
EMT02010.06		61x52x12x9U
EMT02010.07		67x54x14x12U
EMT02010.08		70x50x12x12U
EMT02010.09		70x58x15x11U
EMT02010.10		80x62x10x20U
EMT02010.11		84x80x15x22U
EMT02010.12		95x63x10x17U
EMT02010.13		106x86x20x30U



Bar Magnet

Art No:	Material:	Size:
EMT02011	Ferrite	LxHxB
EMT02011.01		30x8.5x7
EMT02011.02		36x9x6
EMT02011.03		37x15.5x5
EMT02011.04		40x9x5
EMT02011.05		40x9x9
EMT02011.06		50x9x9
EMT02011.07		50x16x4
EMT02011.08		50x14x10
EMT02011.09		50x9x9
EMT02011.10		57x18x10
EMT02011.11		58x8x6
EMT02011.12		60x15x9
EMT02011.13		60x15x4.5
EMT02011.14		60x20x10
EMT02011.15		70x15x7
EMT02011.16		70x15x9.5
EMT02011.17		75x13x6.6
EMT02011.18		75x18x6.5
EMT02011.19		75x13x6.6
EMT02011.20		100x20x5
EMT02011.21		100x20x6.5
EMT02011.22		100x20x7
EMT02011.23		110x22x10
EMT02011.24		120x22x10
EMT02011.25		150x18x7
EMT02011.26		150x18x9
EMT02011.27		150x25x15
EMT02011.28		170x20x10



U Magnet

Art No:	Material:	Size:
EMT02012	Alnico	LxHxB
EMT02012.01		45x50x22x13
EMT02012.02		65x55x13.7x10.5
EMT02012.03		80x62x20x10
EMT02012.04		78x60x29x15
EMT02012.05		62x70x51x20
EMT02012.07		80x75x40x16
EMT02012.08		106x86x33.5x20
EMT02012.09		95x62x20x10
EMT02012.10		95x62x17x10



Bar Magnet

Art No:	Material:	Size:
EMT02013	Alnico	LxHxB
EMT02013.01		55x14x10
EMT02013.02		75x15x10
EMT02013.03		115x15x9
EMT02013.04		170x20x10
EMT02013.05		180x27x15



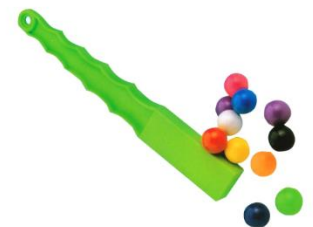
Cow Bar

Art No: EMT02016
Size: Dia 20 x 77mm



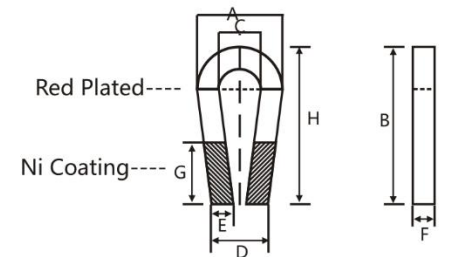
Powerful Horseshoe Magnet

Art No: EMT02014
Colors available: Red, Blue and Yellow



Magnet Wand

Art No: EMT02015
It comes with 12 magnetic marbles



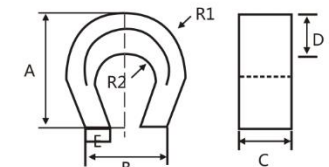
Horseshoe Magnet

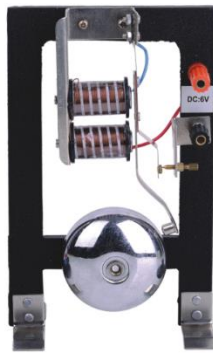
Art No:	Material:	Dimensions (mm)
EMT02017	Alnico	A B C D E F G
EMT02017.01		40 76 21 26 7.4 6.3 28
EMT02017.02		40 75 20 25.3 10 5 29
EMT02017.03		50 100 26 31.5 12 6 39
EMT02017.04		60 125 32 38.5 15 6 49



Horseshoe Magnet

Art No:	Material:	Dimensions (mm)	Painted
EMT02018	Alnico	A B C E D R1 R2	
EMT02018.01		24.40 22.23 7.62 7.94 9.54 14.29 4.75	Red
EMT02018.02		28.50 18.50 6.35 4.00 11.00 14.00 6.00	Red
EMT02018.03		35.00 27.00 15.88 9.53 9.53 16.67 7.14	Red
EMT02018.04		38.10 41.28 14.27 15.88 19.05 23.00 6.35	Red
EMT02018.05		46.00 55.56 23.81 12.70 27.00 57.15 30.15	Red
EMT02018.06		63.50 63.50 19.05 19.05 25.53 38.10 15.87	Red

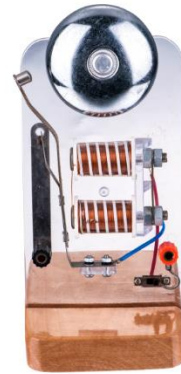




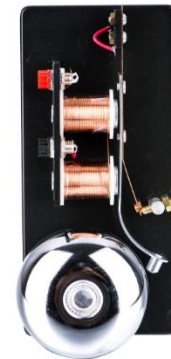
Electric Bell
Art No: EMT03001



Electric Bell
Art No: EMT03002



Electric Bell
Art No: EMT03003



Electric Bell
Art No: EMT03004



Electric Bell
Art No: EMT03005



Primary & Secondary Coil, Demonstrational, 17cm High
Art No: EMT04008



Primary & Secondary Coil, 9cm High
Art No: EMT04010



Primary & Secondary Coil, 12cm High
Art No: EMT04009



U Type Electromagnet

Art No: EMT04011
To demonstrate the basic construction & working principle of the horse shoe electromagnet.



Electromagnet Apparatus

Art No: EMT04012
Comprised of U-shaped iron core and movable hook. It demonstrates the working principle of electromagnet. Voltage < 6V, current < 1A, Electromagnetic force > 49N.



U Type Electromagnet

Art No: EMT04013
To demonstrate the basic construction & working principle of the horse shoe electromagnet. Best Quality



Transparent Electromagnet

Art No: EMT04015
Battery Operated with LED



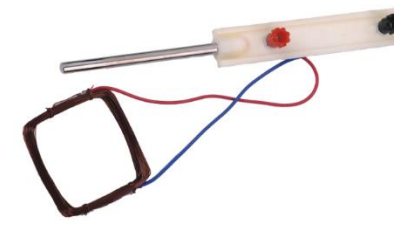
Electromagnetic Relay

Art No: EMT04016

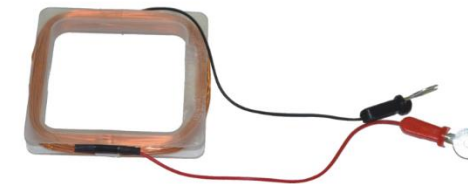


Solenoid

Art No: EMT04017
Size: 110x40x33mm



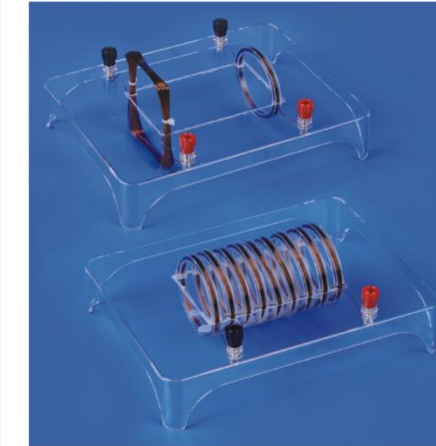
Square Coils
Art No: EMT04001.01



Square Coils
Art No: EMT04001.02



Demonstrator of Left and Right Hand Rules
Art No: EMT04002



Demonstrator of Current Magnetic Field, Set of 2
Art No: EMT04004.01



Demonstrator of Current Magnetic Field

Art No: EMT04005
To demonstrate the magnetic field provided by DC current passing through the straight conducting wire. The ring conducting wire or the solenoid.



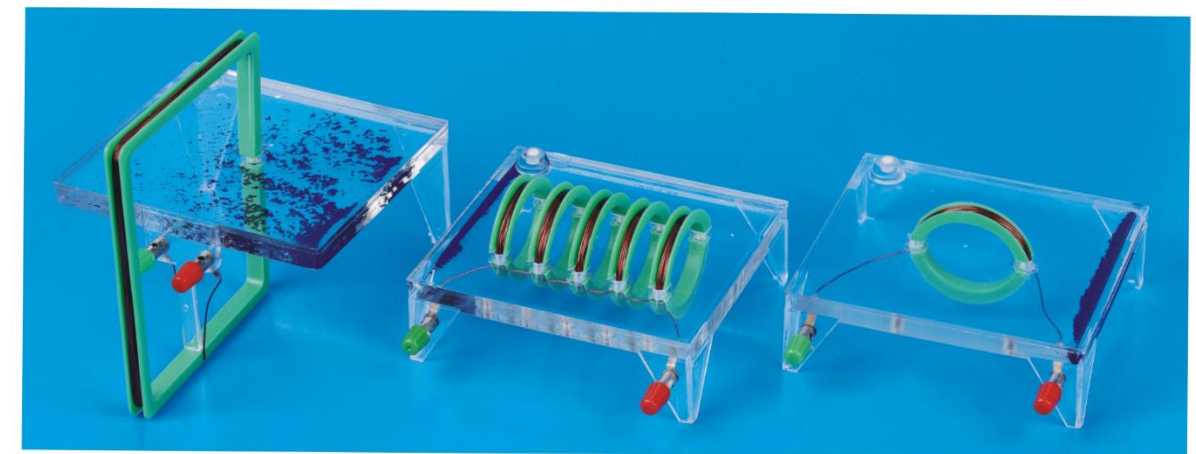
Tomson's Coil Demonstrator
Art No: EMT04003



Demonstrator of Current Magnetic Field 2 in 1
Art No: EMT04004.02

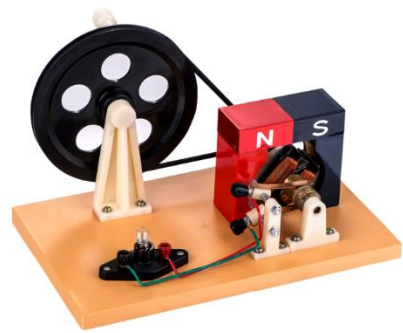


Current Magnetic Effect Demonstrator
Art No: EMT04006



Demonstrator of Current Magnetic Field, Set of 3

Art No: EMT04007, Good Quality



Hand-operated AC/DC Generator

Art No: EMT05001



Hand-operated AC/DC Generator

Art No: EMT05002
To feel the touch by current



Hand-operated AC/DC Generator

Art No: EMT05003



Friction Generator

Art No: EMT05011.02



Friction Generator

Art No: EMT05011.03



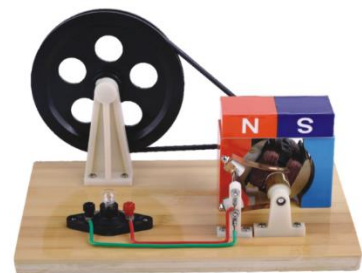
Hand Held Generator

Art No: EMT05012.01



Hand-operated AC/DC Generator

Art No: EMT05004



Hand-operated AC/DC Generator

Art No: EMT05005



Hand-operated AC/DC Generator

Art No: EMT05006
With DC milliammeter & voltmeter,
and AC milliammeter & voltmeter.



Hand Held Generator

Art No: EMT05012.02



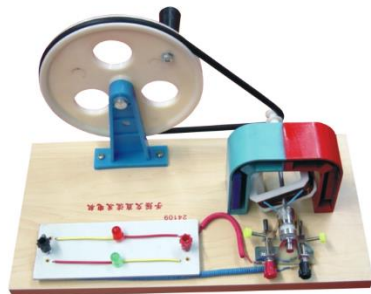
Hand Held Generator

Art No: EMT05012.03



One-Handed Generator

Art No: EMT05013.01



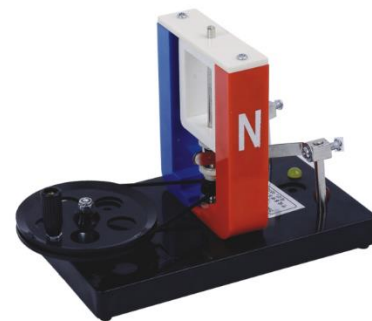
Economic Hand Operated AC/DC Generator

Art No: EMT05007



Generator Model

Art No: EMT05008
For demonstrating the experiment of
ampere force, the working principle of DC
dynamo, right-hand rule, working principle
of AC and DC generators.



Power Generation by Rotating Coil

Art No: EMT05009



One-Handed Generator

Art No: EMT05013.02



Mini Motor Model

Art No: EMT05014



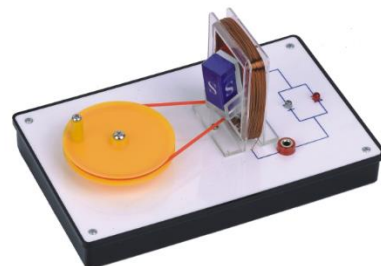
3-Phase Induction Motor Model

Art No: EMT05016



Power Generation by Rotating Coil

Art No: EMT05010.01



Power Generation by Magnetic Field Turning

Art No: EMT05010.02



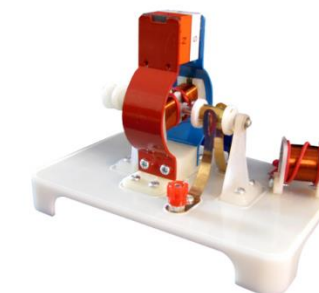
Dynamo Generator

Art No: EMT05011.01



Demonstration DC Motor, Big

Art No: EMT05017
Designed for demonstrating the following
experiments:
Principle of operating of DC generator.
The connection method of wires and shunt
excitation of DC motor.
The relation between current and rotating speed.



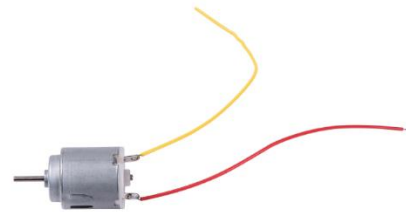
Mini Motor Model

Art No: EMT05018



Demonstrational 3-Phase Generator

Art No: EMT05019
It's used for the explanation of the characteristics
of rotary magnetic field and the working principle
of 3-phase inductive generator.



Mini DC Motor With Leads

Art No: EMT05020
Voltage: 1.5V or 3V
Speed: 7000-11000ppm



Transformer Modular

Art No: EMT05024.01
Max Current: 1.5A
Quantity of Brass Coil: 200
Art No: EMT05024.02
Max Current: 6A
Quantity of Brass Coil: 50



Lentz's Law Demo

Art No: EMT06001
To demonstrate the direction of induced current always resists the variation of the original magnetic field against its own.



Right and Left Hand Rule Demonstrator

Art No: EMT06002.04



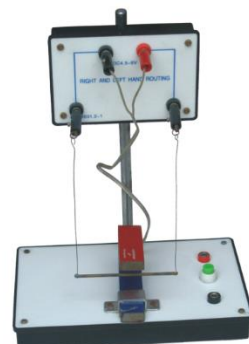
Mini DC Motor

Art No: EMT05021
Voltage: 1.5V or 3V
Speed: 7000-11000ppm



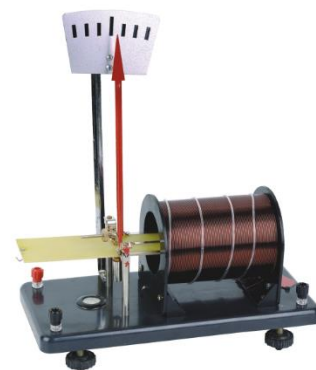
Mini DC Motor

Art No: EMT05022
For demonstrating the construction and working principle of electric motor, also to serve as a model to study the electromagnetic forces, with the working voltage of 3-6V.



Right and Left Hand Rule Demonstrator

Art No: EMT06002.02



Electric Current Balance

Art No: EMT06003.01



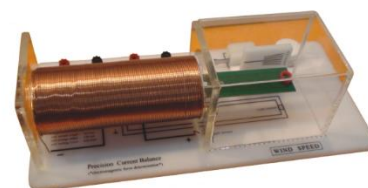
Dismountable Transformer

Art No: EMT05023
To demonstrate the relationship between current, voltage and turns of coil, and also for experiments on the self-inductance, the eddy current and the jumping of copper ring and induction lamp, etc.



Right and Left Hand Rule Demonstrator

Art No: EMT06002.03



Precision Current Balance

Art No: EMT06003.02



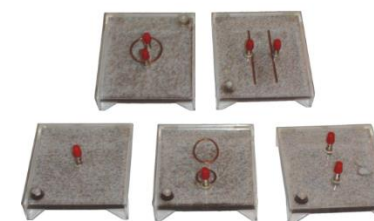
Ampere Force Demonstrator

Art No: EMT06004



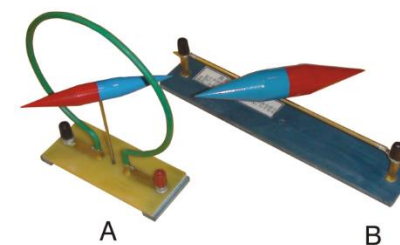
Oersted's Law Apparatus

Art No: EMT06008



Electric Field Line Demonstrator, Set of 5

Art No: EMT06011



Orsted Experiment Demonstrator

Art No: EMT06014



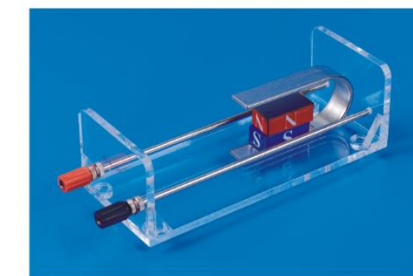
Ampere Force Demonstrator, 2 in 1

Art No: EMT06006



Current Magnetic Effect Demonstrator

Art No: EMT06009



Demonstrator of Current Magnetic Field

Art No: EMT06012



Ampere Force Demonstrator

Art No: EMT06007



Tangent Galvanometer

Art No: EMT06010



Metal Detector

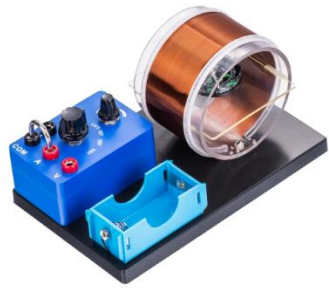
Art No: EMT06013



Barlow's Wheel

Art No: EMT06016

How can an electrically charged brass wheel spin without the aid of a motor? The secret lies in eddy currents. When electrified, this slotted brass disc sets up eddy currents throughout the structure. These "pockets" of electricity are attracted to 4 strong neodymium magnets, causing the wheel to spin.



Air Core Solenoid

Art No: EMT06017



Air Core Solenoid

Art No: EMT06018

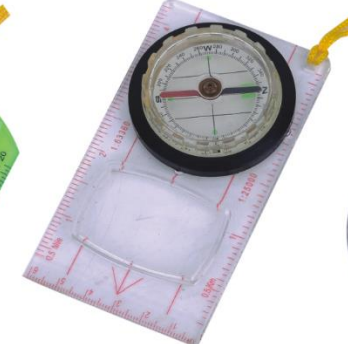


Transmission and Reception of Electromagnetic Wave

Art No: EMT07003



Art No: CPS001,
55mm Dia.



Art No: CPS002,
45mm Dia.



Art No: CPS004,
45mm Dia.



Art No: CPS005,
34mm Dia.



Art No: CPS006,
40mm Dia.



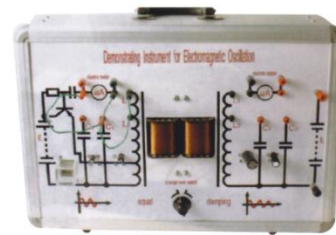
Transmission and Reception of Electromagnetic Wave

Art No: EMT07004



Demonstration of Telephone Principle

Art No: EMT07005
To demonstrate how the telephone communication works.



Electromagnetic Oscillation Demonstrator

Art No: EMT07006



Art No: CPS007,
45mm Dia.



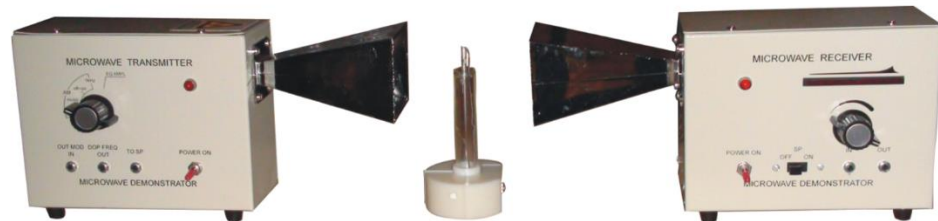
Art No: CPS008,
40mm Dia.



Art No: CPS009,
40mm Dia.



Art No: CPS010,
18x18mm



Demonstrator of Interference, Diffraction and Polarization of Electromagnetic Waves

Art No: EMT07007



Art No: CPS011,
18mm Dia.



Art No: CPS012,
40mm Dia.



Art No: CPS013,
70mm Dia.



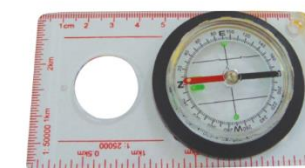
Art No: CPS014,
77mm Dia, Aluminum



Gaussian Gun

Art No: EMT07008

A funny and intriguing demonstration of Newtonian physics. When you align powerful neodymium magnets on a linear rail and arrange steel balls in a sequence properly, a slow moving steel ball will be accelerated to 5-10 times its original speed by the pull of magnets and Newton's Third Law of Motion.



Art No: CPS015,
45mm Dia



Art No: CPS016,
45mm Dia



Art No: CPS017,
36mm Dia



Art No: CPS019,
47mm Dia



Art No: CPS020
45mm Dia



Art No: CPS021
45mm Dia



Art No: CPS022
45mm Dia



Art No: CPS023
45mm Dia



Art No: CPS026
45mm Dia



Art No: CPS027
45mm Dia



Art No: CPS028
45mm Dia, Metal



Art No: CPS029
45mm Dia



Art No: CPS030
44mm Dia



Art No: CPS031
44mm Dia



Art No: CPS032
20mm Dia



Art No: CPS033
16mm Dia



Art No: CPS034
40mm Dia



Art No: CPS035
45mm Dia



Art No: CPS036
45mm Dia



Art No: CPS037
45mm Dia



Art No: CPS038
44mm Dia



Art No: CPS039
44mm Dia



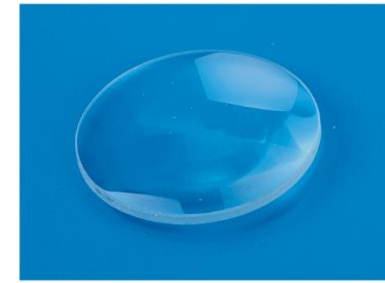
Art No: CPS040
45mm Dia



Art No: CPS041
46mm Dia



Art No: CPS042
46mm Dia



Biconvex Glass Lens
Art No:

L01001.01, Diameter 38mm, Focus: 50~500mm
L01001.02, Diameter 50mm, Focus: 60~500mm
L01001.03, Diameter 75mm, Focus: 100~500mm



Bi-concave Glass Lens
Art No:

L01002.01, Diameter 38mm, Focus: 50~500mm
L01002.02, Diameter 50mm, Focus: 60~500mm
L01002.03, Diameter 75mm, Focus: 100~500mm



Right Angle Prisms, Glass
Art No:

L01003.01, Side: 25mm, Height: 40~100mm
L01003.02, Side: 30mm, Height: 40~100mm
L01003.03, Side: 50mm, Height: 40~100mm



Equilateral Prisms, Glass
Art No:

L01004.01, Side: 25mm, Height: 25~100mm
L01004.02, Side: 30mm, Height: 25~100mm



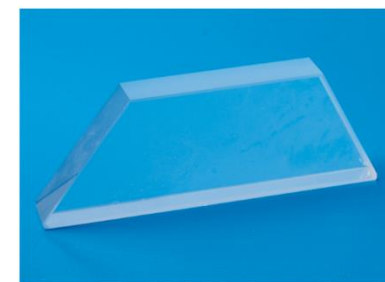
Rectangular Block, 2 Sides Frosted
Art No:

L01005.01, Size: 114x63x19mm
L01005.02, Size: 60x40x15mm
L01005.03, Size: 80x40x15mm



Rectangular Block, All Sides Polished
Art No:

L01006.01, Size: 115x65x20mm
L01006.02, Size: 60x40x15mm
L01006.03, Size: 80x40x15mm



Trapezoid Prism
Art No: L01007

Sizes: 90mm long, 35mm high and 15mm thick
One angle 45°, another 60°



Semi-Circular Lens
Art No:

L01008.01, 15mm thick, diameter 50mm
L01008.02, 15mm thick, diameter 60mm
L01008.03, 15mm thick, diameter 70mm
L01008.04, 15mm thick, diameter 80mm
L01008.05, 15mm thick, diameter 90mm
L01008.06, 15mm thick, diameter 100mm



Equilateral Refraction Prism
Art No:

L01009.01, 15mm thick, side: 50mm
L01009.02, 15mm thick, side: 60mm
L01009.03, 15mm thick, side: 70mm
L01009.04, 15mm thick, side: 80mm



Double Convex Lens
Art No:

L01010.01, 15mm thick, 60mm long, focus: 100~500mm
L01010.02, 15mm thick, 80mm long, focus: 100~500mm
L01010.03, 15mm thick, 95mm long, focus: 150~500mm



Concave Mirror
Art No:

L01012.01, Diameter 38mm, Focus upon request
L01012.02, Diameter 50mm, Focus upon request
L01012.03, Diameter 75mm, Focus upon request



Convex Mirror
Art No:

L01013.01, Diameter 38mm, Focus upon request
L01013.02, Diameter 50mm, Focus upon request
L01013.03, Diameter 75mm, Focus upon request



Set of 7 Prisms, Glass

Art No: L01011



Set of 8 Prisms, Acrylic

Art No: L01014.01



Set of 15 Prisms, Acrylic

Art No: L01014.02



Concave Mirror

Art No L01015
Dia 100mm, F65mm



Convex Mirror

Art No: L01016
Dia 100mm, F65mm



Concave Lens

Art No: L01017
Concave Lens with Stand,
Dia 50mm



Convex Lens

Art No: L01018
Convex Lens with Stand,
Dia 50mm



Concave Mirror

Art No: L01019
Concave Mirror with Stand,
Dia 50mm



Convex Mirror

Art No: L01020
Convex Mirror with Stand,
Dia 50mm



Prism with Stand

Art No: L01021.01
Size: 30x100mm
Art No: L01021.02
Size: 25x80mm



Prism with Stand

Art No: L01022
Size: 25x38mm



Concave Mirror

Art No: L01023
Lens diameter 75mm



Convex Mirror

Art No: L01024
Lens diameter 75mm



Binocular

Art No: L01025.01 7x35
Art No: L01025.02 8x40



Double Plastic Magnifier

Art No: MAG001
3x, 6x, 50mm Dia



Triple Plastic Magnifier

Art No: MAG002
2x, 6x and 8x



Clear Plastic Magnifier

Art No: MAG003
3x, 6x, 40mm Dia



Clear Plastic Magnifier

Art No: MAG004 3x35mm



Clear Plastic Magnifier

Art No: MAG006
3x65mm



Pen Type Plastic Magnifier

Art No: MAG007
5x50mm



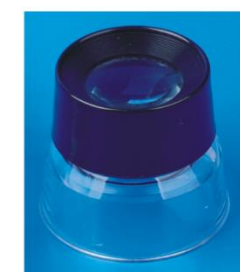
Metal Magnifier with Plastic Handle

MAG009, Metal Magnifier with Plastic Handle 7x50mm
MAG010, Metal Magnifier with Plastic Handle 6x65mm
MAG011, Metal Magnifier with Plastic Handle 4x75mm
MAG012, Metal Magnifier with Plastic Handle 3x90mm
MAG013, Metal Magnifier with Plastic Handle 2.5x100mm



Plastic Magnifier

Art No: MAG008
3x65mm



Cylinder Magnifier 10X

Art No: MAG014.01



MAG014.02
6x



MAG014.03
10x



MAG014.04
15x

Cylinder Magnifier



Jewellery Magnifier

Art No: MAG020
10x18mm



Jewellery Magnifier

Art No: MAG021
10x18mm



Jewellery Magnifier

Art No: MAG022
10x18mm



Jewellery Magnifier

Art No: MAG023
20x21mm



Jewellery Magnifier

Art No: MAG024
20x18mm



Jewellery Magnifier

Art No: MAG025
30x21mm



Pocket Microscope

Art No: L02002
Pocket Microscope 60X



Pocket Microscope

Art No: L02003
Pocket Microscope 45X



Pocket Microscope

Art No: L02004
Pocket Microscope 30X
Illuminated, 1 LED light



He-Ne Laser Source

Art No: L04001



Laser Source

Art No: L04002.01 Green
Art No: L04002.02 Red



Laser Light Source

Art No: L04003
With 5 Linear or Point Lights



Pocket Microscope

Art No: L02005
Pocket Microscope 60X-100X
Illuminated, 1 LED light



Pocket Microscope

Art No: L02006
Pocket Microscope 20X -40X
Illuminated, 1 LED light



Pocket Microscope

Art No: L02007
Pocket Microscope 40X
Illuminated, 1 LED light



Pocket Microscope

Art No: L02008
Pocket Microscope 30X



Pocket Microscope

Art No: L02009
Pocket Microscope 30X
Illuminated, 1 Bulb



Pocket Microscope

Art No: L02010
Pocket Microscope 60X 100X
Illuminated, 1 Bulb



Pen Type Microscope

Art No: L02011
Pen Type Microscope 25X



Pocket Microscope

Art No: L02012
Pocket Microscope 40X
Illuminated, 2 LED 5mm Dia



Pocket Microscope

Art No: L02013
Pocket Microscope 80X
Illuminated, 2 LED 5mm Dia



Bug Viewer

Art No: L03001
2.5X



Bug Viewer

Art No: L03002
3X, 6X



Bug Viewer

Art No: L03003



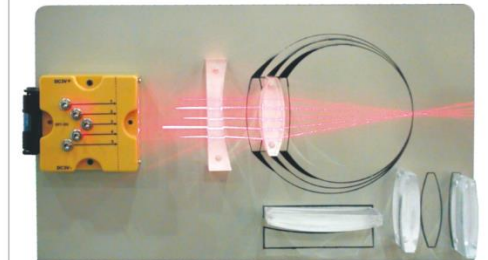
Laser Light Source

Art No: L04004
With 1 Linear or Point Light



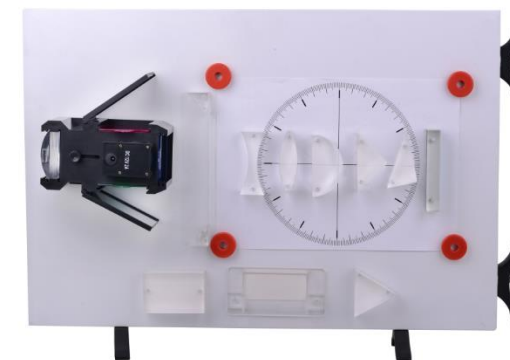
Laser Optics Demonstrator

Art No: L04006
Can make experiments as follows:
1. Single slit diffraction
2. Circular hole diffraction
3. Rectangular hole diffraction
4. Square hole diffraction
5. Triangular hole diffraction
6. Double slit interference
7. Triple slit diffraction
8. Quadruple slit diffraction
9. Monofilament diffraction
10. Round screen diffraction
11. Edge diffraction



Near and Far Sighted Demonstrator

Art No: L04007.01



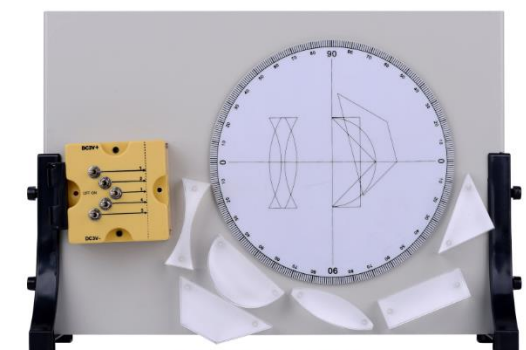
Whiteboard Optics Set

Art No: L04008
A comprehensive and economical set of equipment for ray optics and color experiments using magnetic-backed components that can be used on the included whiteboard or any installed steel whiteboard. The whiteboard has a usable surface of 23" x15.5" and has swiveling feet on two sides so that it can be set up in wide or tall format. The double-ended light box contains a 12V/20W halogen lamp powered by a wall-mount AC adapter and cooled by a built-in fan. One end carries a cylindrical lens and slots for mouning the three slit diaphragms for ray optics. The other end carries two adjustable mirrors and an open area for color mixing work using colored filters that fit into slots in the ray box.



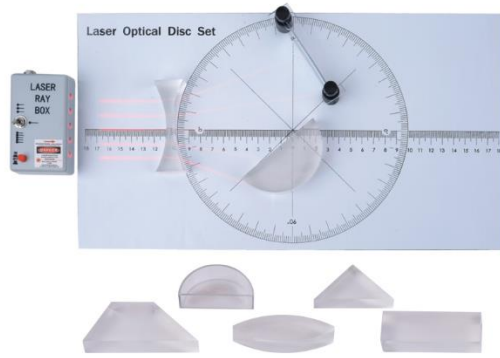
Eye Model

Art No: L04007.02
With magnetic-backed lens and light source



Hartl Optical Disk

Art No: L04009
To demonstrate laws of reflection and refraction in optics.



Laser Optical Disk Set

Art No: L04011

This is an excellent and economical set for introductory ray optics. The laser ray box projects one, three, or five parallel bright beams and is equipped with a momentary switch for safety. A vinyl template with a degree circle and a linear scale forms the optical disk, and the set includes seven clear acrylic optical elements and a mirror with adjustable curvature for investigating refraction, lenses, prisms, and mirrors. The bottoms of the acrylic elements are frosted to show the ray paths inside them. The set also includes an aluminum storage case.

Please note: This product emits laser light. Max. output power < 1m W per beam. Wavelength 650nm. Class IIIa laser product.



Laser Optics Demonstrator

Art No: L04012.01
For middle school



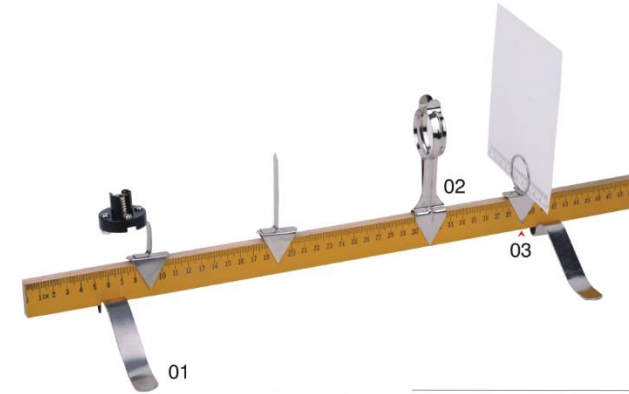
Deluxe Laser Optics Demonstrator

Art No: L04012.03
For senior school and university

The laser optics demonstrator is a kind of modern educational instrument. It takes He-Ne laser as its light source. After passing through a cylindrical lens, the light beam diverges into sector shape and shows its track on the screen. Many kinds of geometric-optics and physical-optics experiments can be accomplished by this instrument with clear images and vivid intuitive effects and do not demand darkroom facilities.

Specifications

	L04012.01	L04012.03
Light source	He-Ne laser	He-Ne laser
Wave length	632.8nm	632.8nm
Output power	△ 2.5mw	△ 3mw
Amount of reflector	3 pieces	5 pieces
Apparatus shell	Handsome Made by iron sheet	Fashionable Made by Al plate



Economy Optical Bench

Art No: L05001
Meter not included

L05001.01, Metal Stand in Pair
L05001.02, Lens Clip
L05001.03, Screen Clip



Double Track Optical Bench

Art No: L05002



Light Source for Optical Bench

Art No: L05002-B
With covers of 1 slit and 5 slits



Single Track Optical Bench

Art No: L05003



Reflection & Refraction Tank

Art No: L04013



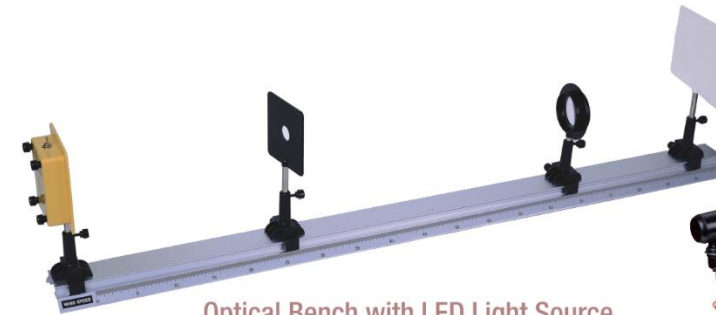
Deluxe Reflection & Refraction Tank

Art No: L04015



Reflection & Refraction Tank

Art No: L04015.02



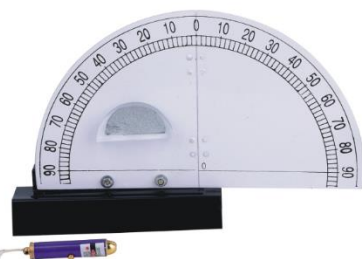
Optical Bench with LED Light Source

Art No: L05004



Single Track Optical Bench

Art No: L05006



Reflection & Refraction Demonstrator

Art No: L04016



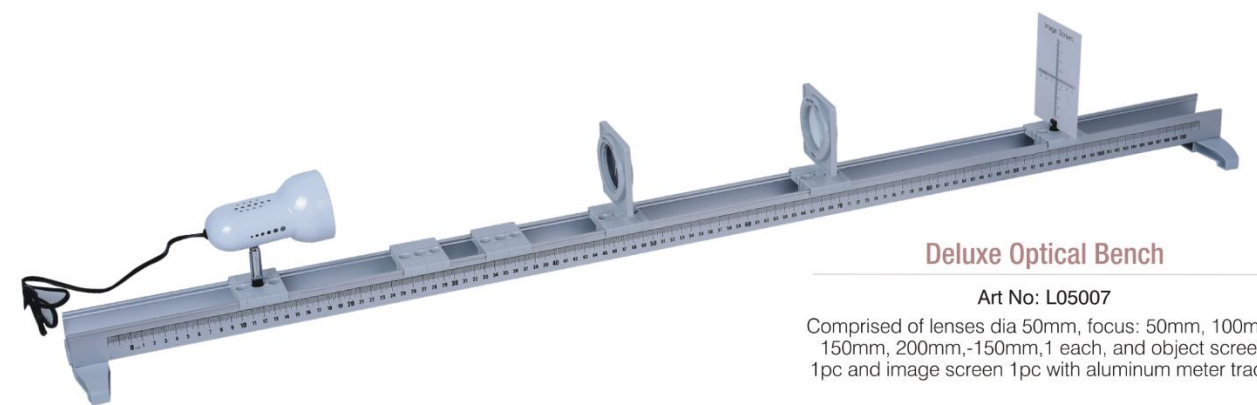
Brownian Motion

Art No: L04014A
Brownian Motion, Liquid
Art No: L04014B
Brownian Motion, Gas



Polarization Experiment

Art No: L04017



Deluxe Optical Bench

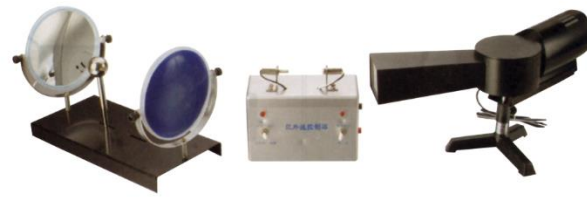
Art No: L05007

Comprised of lenses dia 50mm, focus: 50mm, 100mm, 150mm, 200mm, -150mm, 1 each, and object screen 1pc and image screen 1pc with aluminum meter track.



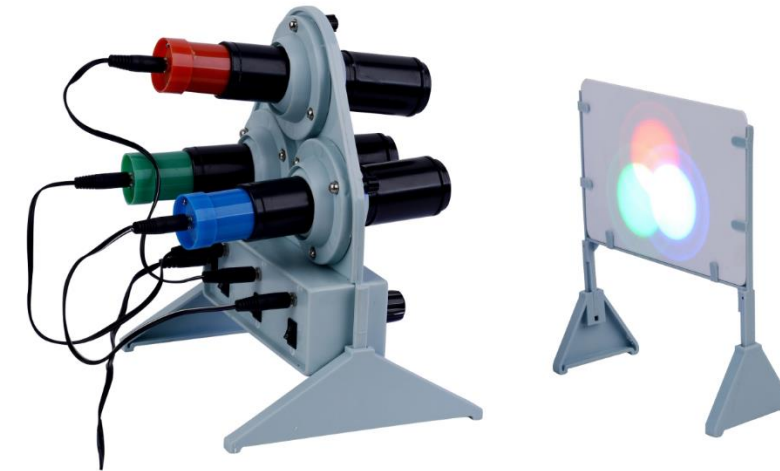
Double-Slit Interference Demonstration

Art No:L05009



Effect of Infra Red Light Demonstration

Art No: L05011



Color Mixing Apparatus

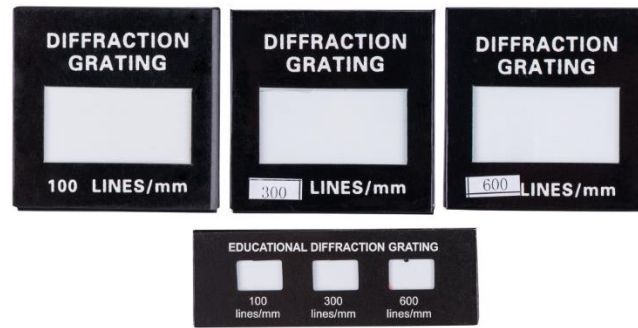
Art No:L06009

A compact and economical Color Mixing Apparatus. This updated version of the classic three color light projector uses three low voltage, high power LEDs to project easily-seen red, green, and blue light onto a white screen. The projector mounting allows the beam angles to be adjusted to vary the overlap of the three colored images. The intensity of each LED can be adjusted separately by a potentiometer to give a convincing white light or various shades of mixed colors. Colored shadows can also be explored in a darkened room. The set includes a wall mount power supply.



Light Interference

Art No: L05010
Light Interference, Diffraction and Polarization



Diffraction Grating

Art No: L05012
Art No.: L05012.01 100 Lines/mm, size: 50x50mm
Art No.: L05012.02 300 Lines/mm, size: 50x50mm
Art No.: L05012.03 600 Lines/mm, size: 50x50mm
Art No.: L05012.04 3 in 1, size: 90x30mm



Color Mixing Apparatus

Art No:L06010.01



Color Mixing Apparatus

Art No: L06010.02



Decomposition and Synthetic of White Light

Art No:L06012



Diffraction Grating

Art No: L05013
Diffraction Grating, Set of 5



The Mirage, Small

Art No: L06001
Diameter 16cm



The Mirage

Art No: L06002
The Mirage,Big, Diameter 22.5cm



Newton Color Disk

Art No:L06013



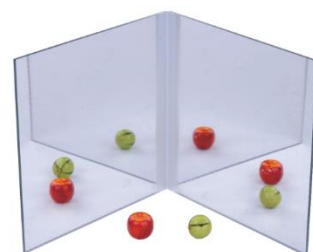
Newton Color Disk

Art No: L06014
Solar cell operated



Newton Color Disk

Art No:L06015
Disk Diameter 23cm



Imaging of 2 Plane Mirrors

Art No: L06003



Camera Model

Art No: L06004



Periscope

Art No: L06005

Basic Spectroscope

Art No: L06006
Size:Diameter 21x97 mm



Newton Color Disk

Art No: L06016
Disk diameter 20cm, hand operated



Newton Color Disk

Art No: L06017
Disk diameter 20cm, electricity operated



Secchi Disk

Art No:L06018



Economical Spectrometer

Art No:L07001



Intermediate Spectrometer with 22mm Optics

Art No: L07002
Intermediate Spectrometer,22mm Aperture



Intermediate Spectrometer with 30mm Optics

Art No: L07003
Intermediate Spectrometer,30mm Aperture



Mercury Lamp with Power

Art No:L10001
Low Voltage



Sodium Lamp with Power

Art No: L10002
Low Voltage



Sodium Lamp with Power

Art No: L10003
Low Voltage



Mercury Lamp with Power

Art No: L10004
Low Voltage

Planck's Constant Apparatus

Art No: L08001

Planck's Constant Apparatus

This instrument can carry on the experiment about the rule of photoelectric effect, and calculate Planck's constant according to Einstein's equation of photoelectric effect.

Satisfying the students' grouping experiments, the instrument has features such as compact structure, fastness, convenient operating, steady performance, cheap and convenient service etc.

The anode of phototube is not shined directly, so the reverse current is small

Specifications

- Color filter: 635nm, 570nm, 540nm, 500nm, 460nm
- Sensitive component: vacuum phototube
- Dark-current: $\sqrt{0.003\mu A}$
- Light source: 12V/35W halogen tungsten lamp
- Length of guide: 395mm
- Precision of accelerate voltage: $\sqrt{2\%}$
- Measuring error: less than +15% compared with the recognized value ($h=6.62619 \times 10^{-34} J.S$)



Mercury/Sodium Lamp

Art No.: L10005.01 Mercury Lamp Push Type
Art No.: L10005.02 Mercury Lamp Screw Type
Art No.: L10005.03 Sodium Lamp Push Type
Art No.: L10005.04 Sodium Lamp Screw Type



Pen Type Laser Source

Art No: L10007.01 Red
Art No: L10007.02 Green



UV Lamp

Art No: L10009
Size: 160x55x20mm



Photoelectric Bulb

Art No: L08003



Laser Distance Tester

Art No:L09001



Cold Light Source

Art No: L09003



Stroboscope

Art No: L10011

Portable Digital Rechargeable Stroboscope

Power Type: Powered by Rechargeable Battery

Battery Type: Lithium Rechargeable Battery

Battery Spec.: 2500MA

Recharging Voltage: DC19V

Working Voltage: DC12V

Power: Less than 40W

Environment Illumination: Less than 10000 Lux

Lamp Spec.: Original German Hyman lamp, lifetime 1*108

Trigger Mode: Internal and External Trigger

Operation Interface: Key button and rotary encoder

Internal Flash Frequency Range: 60-20000 FPM/min.

External Flash Frequency Range: 60-99999 FPM/min.

External Triggered by: Photoelectric sensor (optional)

External Trigger Signal Range: 5-12V Pulse Signal (high level trigger)

Size: 250mmx120mmx120mm



Stroboscope

Art No: L10012

Art No:

L01012.01 Flash Frequency Range: 50~12000FPM

L01012.02 Flash Frequency Range: 50~40000FPM

L01012.03 Flash Frequency Range: 50~20000FPM

L01012.04 Flash Frequency Range: 50~30000FPM

L01012.05 Flash Frequency Range: 50~2000FPM

Display:510mmLCD

Accaracy: $\pm (0.05\%n+1d)$

Resolution:0.1FPM (Less 1000 FPM)

1 FPM (Over 1000 FPM)

Sampling time:0.3second

2 ranges:H、L (High,Low)

Flash adjust:Coarse adjustment、 fine adjustment、

$\times 2$ and $\div 2$ for fast check

Triggering Mode:Interior/Exterior

Temperature:0~40 C

Humidity:Less than 85%RH



Stroboscope

Art No: L09004



Optical Fibre Transmit-Receive Demonstrator

Art No: L09005



Light Transmission through Optical Fibre Demonstrator

Art No: L09006



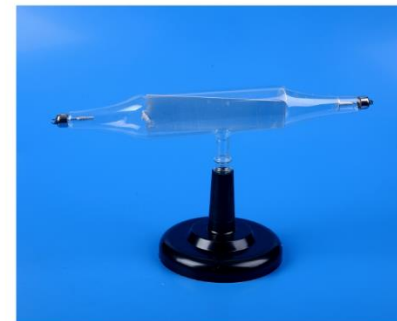
Spectrum Tube

Art No:RAY001
6pcs/set. Gas of H₂, He, N₂, Ar, Ag & Ne is filled respectively. Overall length is about 230mm



Low Temperature Gas Discharge Tube Set

Art No:RAY002
To demonstrate the discharge phenomenon in the low pressure gases. Comprising of 6pcs of discharge tubes which are evacuated to the pressure of 5300, 1300, 400, 130, 13 and 2.7Pa respectively.



Cathode Ray Tube

Art No:RAY003
To demonstrate that cathode ray defects in magnetic field.



Visible Spectrophotometer

- Art No: L11001
1. Spectrum bandwidth: 6nm
 2. Optical system: Littrow type, single beam
 3. Wavelength range: 330 ~ 1000nm
 4. Wavelength accuracy: ±2nm
 5. Wavelength repeatability: ±1nm
 6. Photometric range: 0 ~ 125.0%T, 0 ~ 2.5A
 7. Photometric accuracy: ±1%
 8. Stray light: ≤0.3%t @340nm, 400nm
 9. Drift: ≤0.003A/h
 10. Light source: Tungsten
 11. Detector: Silicon Photodiode
 12. Date output: Analog output, RS-232
 13. Standard sample holder: 10x10mm cell, φ12mm tube or 4 - 10x10mm cell
 14. Warranty: 1 year parts



Cathode Ray Tube

Art No:RAY004
To demonstrate that cathode ray moves along a straight line & can be stopped by metal baffle.



Cathode Ray Tube

Art No:RAY005
Cathode Ray Tube, with Paddle Wheel
To demonstrate the cathode ray has kinetic energy that makes the paddle wheel rotate.



Cathode Ray Tube

Art No:RAY006
To demonstrate the deflection phenomenon of cathode ray in electric field.



UV Spectrophotometer

- Art No: L11002
1. Display: 2-line, 16-character LCD
 2. Spectrum bandwidth: 5nm
 3. Optical system: Littrow type, single beam
 4. Wavelength range: 190 ~ 1100nm
 5. Wavelength accuracy: ±2nm
 6. Wavelength repeatability: ±1nm
 7. Photometric range: 0 ~ 125.0%T, 0 ~ 2.5A, 0 ~ 999C
 8. Photometric accuracy: ±0.004A@ 0.5A
 9. Stray light: ≤0.3%t @220nm, 340nm
 10. Drift: ≤0.002A/h
 11. Light source: Tungsten and Deuterium
 12. Detector: Silicon Photodiode
 13. Date output: Analog output, RS-232
 14. Standard sample holder: 4-position 10x10mm cell
 15. Warranty: 1 year parts



Hand Operated Stroboscope

Art No: L10013



Spectrum Tube

Power Supply
Art No: RAY007

Art No: RAY007.01	Ar	RAY007.02	Co2
Art No: RAY007.03	He	RAY007.04	Xe
Art No: RAY007.05	N2	RAY007.06	Ke
Art No: RAY007.07	Hg		



Disc Polarimeter

Art No: WXG-4
Measuring range: -180°+180°
Scale value: 1°
Vernier reading: ±0.05°
Magnifier: 3x
Light source: sodium lamp
Wavelength: 589.44nm
Tube length: 100 or 200mm



721 Visible Spectrophotometer

Art No.: L11003
High Vis performance between 335 and 1000 nm
Specially designed for industry and labs.
High accuracy with digital wavelength display.
Display of concentration data function
Automatic 0%(T) and 100%(T) calibration

Technical Specifications:	
Optical System	Single beam, C-T type, 1200 lines/mm grating
Detector	Silicon photo diode
Light Source	Tungsten lamp (socket type, 20W / 12V, 2000h)
Spectral Bandwidth	5nm
Wavelength Range	Setting Wavelength : 332~1003nm ; Measuring Wavelength : 335~1000nm
Wavelength Accuracy	±2nm
Wavelength Repeatability	1nm
Stray Light	≤0.5%T (360nm)
Photometric Range	T : 0~199.9% , A : ±0.3~2.5Abs, F : 0~9999, C : 0~9999
Photometric Accuracy	±1.0%T
Photometric Repeatability	0.5%T
Stability	≤0.5%T/5min
Power Requirement	220V±10% 50Hz 45VA
Actual Dimensions	385×330×185 (mm)
Gross Weight	10kg



Bell Jar with Electric Bell

Art No: W000.01
Bell Jar Diameter 18cm, Glass



Bell Jar with Electric Bell

Art No: W000.02
Bell Jar Diameter 15cm, Glass



Bell Jar with Electric Bell

Art No: W001, Plastic



Bell Jar with Pressure Gauge

Art No: W002, Plastic



Ripple Tank, Classic

Art No: W009



Deluxe Ripple Tank

Art No: W010



Deluxe Ripple Tank

Art No: W011



Resonance Tester

Art No: W003

This appa. Is used in university & institutes to determine the frequency of tuning forks, or to determine the velocity of sound in air with the use of a tuning fork of known frequency.



Instigated Vibration & Resonant Vibration Demo

Art No: W004



Tuning Fork Set

Art No: W005.01
Tuning forks, set of 8



Tuning Fork Set

Art No: W005.02
Tuning forks, set of 4 on wooden base, consists of 128Hz, 256Hz, 512Hz and 1024Hz



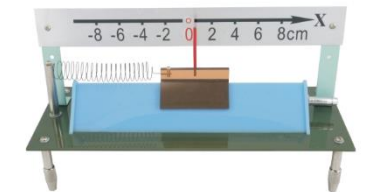
Economic Ripple Tank

Art No: W012



Wave Demonstrator

Art No: W013



Spring Vibrator on Linear Air Track

Art No: W014

To demonstrate the simple harmonic vibration the sympathetic vibration, the damped vibration forced vibration & drawing various kin of curves of all vibrations.



Tuning Fork Set

Art No: W005.03



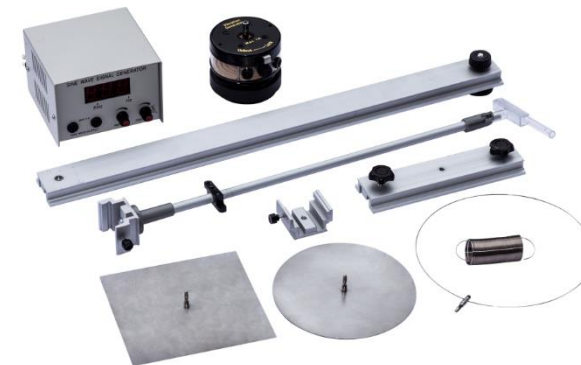
Tuning Fork Set of 8

Art No: W005.04
Frequencies: 256,288,320,341.3, 384,426.6,480, and 512Hz



Tuning Forks with Hammer and Wooden Base,

Art No: W006.01, 256Hz
Art No: W006.02, 512Hz



Wave Motion Demonstrator

Art No: W015

It comes with Vibration Generator and Sine Wave Signal Generator and all accessories, can demonstrate all kinds of waves.



Vibration Generator

Art No: W016



Sine Wave Generator

Art No: W017



Sonometer

Art No: W007



Ripple Simulator

Art No: W008.01



Ripple Simulator (Spring)

Art No: W008.02
Diameter 10cm, Height 10cm



Ripple Simulator (Spring)

Art No: W008.03
Diameter 2cm, length 180cm



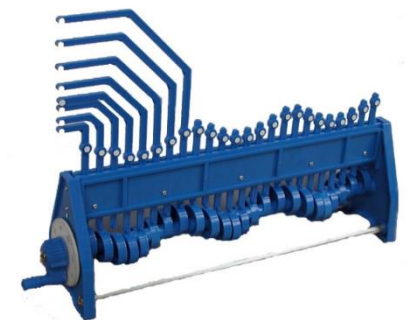
Sound Wave Generator

Art No: W018
Frequency: 300 ~ 4000Hz



Forced Resonance Demonstrator

Art No: W019
Size: 46x33x10cm



Wave Motion Demonstrator

Art No: W020

To show the motion of longitudinal or transverse wave with colorful plastic model. Turn the crank to model transverse waves. Small molded parts through the base model longitudinal waves



Double Channel Oscilloscope 20MHz

Art.No	W025	
CRT	TYPE	6" rectangular with internal graticule, 8x10div(1div=1cm)
Vertical	Sensitivity	x1 ±3% 5mV~20V/div on 1-2-5 sequence 12 ranges
		x5 ±5% 1mV~4V/div on 1-2-5 sequence 12 ranges
	Band width	x1 DC(AC 10Hz)~20MHZ(-3db)
	x5 DC(AC 10Hz)~7MHZ(-3db)	
Rising time	x1/x5, ≤17.5ns/≤50ns	
Input impedance	≈1MΩ ±3%/25pF ±5pF	
Vertical operation mode	CH1,CH2,CHOP,ALT,ADD,CH2 INV	
Horizontal	Sweep time	0.2us~0.5s/div ±3%; MAGx10:20ns~50ms/div ±5%
	Sweep time accuracy	±3%, ±5% atx10MAG (20ns~50ns/DIV uncalibrated)
	Sweep magnificaton	10 times
	Max. sweep time	20ns/DIV
Trigger	Trigger mode	AUTO(TV-V), NORM,TV-H,LEVER LOCK
	Trigger source	CH1,CH2,ALT,EXT,LINE,VERT
X-Y	Sensitivity	5mV~5V/DIV, ±4%



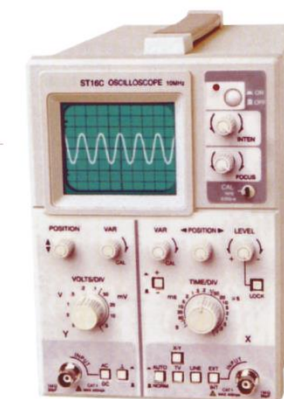
Dual Channel Oscilloscope 20MHz

Art.No	W027		
Partial upper verticality	Band width	DC(AC 10Hz)~20MHZ(-3db)	
	Display mode	Ch1, Ch2, DUAL, ADD	
	Deflection factor	5mV/div to 5V/div ±3% (1mV/div ±5%)	
	Sensitivity	5mV~5V/DIV, it divided into 10 files according to the 1-2-5 sequence.	
	Rising time	About 17.5ns	
	Input impedance	About 1MΩ/25pF	
	Polarity selection	±CH2	
	The maximum input voltage	When the probe is setted at 1:1, the maximum effective reading value is 40Vp-p(14Vrms sine wave)	
		When the probe is setted at 10:1, the maximum effective reading value is 40Vp-p(14Vrms sine wave)	
	Horizontal deflection	Display mode	1, 10, X-Y
Time base		0.2 μ s/div~0. 2s/div	
	Sweep frequency width	x10	
	Accuracy	±3%	
	Input impedance	1MΩ	



General Oscilloscope 10MHz

Art No: W029
 Bandwidth: DC: 0~10MHz,
 AC: 10Hz~10MHz
 Deflection Factor: 10mV/DIV~10V/DIV ±5%
 Vertical Mode: CH1
 Sweep Time: 0.1uS/DIV~0.1S/DIV ±5%
 Trigger Source: INT\EXT\LINE
 Dimension(mm): 200(H)*140(W)*300(D)



Oscilloscope 10MHz

Art No: W030
 Digital coding sweep switch;
 Small scale,light and easy to operate;
 High sensitivity and wide scale of Y deflection.
 Frequency bandwidth:
 AC: 10Hz~10MHz,
 DC: 0~10MHz
 Deflection Factor: 5mV/DIV~5V/DIV ±5%
 Sweep Time: 0.1uS/DIV~0.1S/DIV ±5%
 Trigger Source: INT\EXT\LINE\TV



Student Oscilloscope 5MHz

Art No: W031
 Frequency: DC~5MHz(-3dB)
 AC: 10Hz~5MHz(-3dB)
 Sweep Frequency: 10Hz~100KHz,4 Steps
 Deflection Factor: 20mV/DIV ±5%



Student Oscilloscope 3MHz

Art No: W032
 Frequency:DC~3MHz(-3dB)
 AC: 10Hz~3MHz(-3dB)
 Sweep Frequency:
 10Hz~100KHz
 Deflection Factor: 50mV/DIV ±5%



Single Channel Oscilloscope 10MHz

Art No: W026
 Specifications
 Bandwidth: DC: 0~10MHz, AC: 10Hz~10MHz
 Sensitivity: 5V to 5mV / DIV ±3%
 Sweep Time: 0.1s to 0.1 us / DIV ±3%
 Trigger mode: auto, norm and TV.
 Trigger source: input signal, line and external.
 Trigger on rising or falling edge.
 Coupling: AC/DC/GND.



Dual Channel Oscilloscope 20MHz

Art No: W028
 Bandwidth: DC: 0 ~ 20MHz(-3dB)/AC: 10Hz~20MHz(-3dB)
 Deflection Factor:
 5mV/DIV~5V/DIV 10 steps in 1\2\5 sequence
 Mode: Y1\Y2\ALT\CHOP\ADD\X-Y
 Sweep Time: 0.2uS/DIV~0.5S/DIV 20 steps in 1\2\5 sequence
 Trigger Source: EXT\ALT\LINE\Y1\Y2
 Trigger Mode: AUTO\TRIG
 Magnification: x5 ±10%



Portable Digital Oscilloscope

Art No: W033
 1.Advanced in domestic , high technology product
 Vertical two channels, bandwidth of each channel is 25MHz;
 2.Max. real time sampling 1GSa/s, equivalent sampling 50GSa/s;
 3.High LCD, adjustable intensity;
 4.Support communication interface. RS232, USB (main, sub), RJ45 LAN;
 5.Delay sweep, shorten time;
 6.Measure Multi-waveform parameters automatically, record and recall waveform;
 7.SFFT, differential coefficient, integral and FFT analysis;
 8.Multi- language menus display, help to display information;
 9.Input attenuation 2mV/div~50V/div, easy to measure big signal;
 10.Display date and time;
 11.Auto-track: Sweep auto-track, vertical auto-track, completely auto-track;
 12.Edge, video, pulse , slope, etc;
 14.Kinds of correction signals output frequency (1K, 10K, 100K).



Portable Digital Oscilloscope DS-201

Art No: W035
 DS201 is a pocket digital storage oscilloscope, fulfills basic electronic engineering requirements, based on ARM Cortex™-M3 compatible 32 bit platform, equipped with 320*240 color display, SD card capability, USB connection, and rechargeable batteries. Weighs only 60g!
 Test signal: Built-in 10Hz~1MHz
 Analog Bandwidth: 200KHz



Heat Conductometer

Art No: H001.01
Diameter 17cm
Total Length 32.5cm



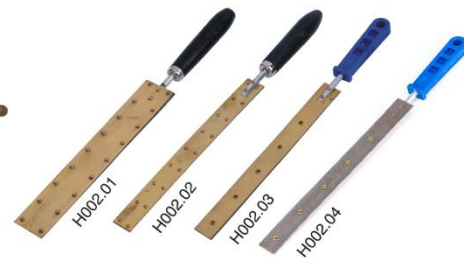
Heat Conductometer

Art No: H001.02
Diameter 21.4cm
Total Length 39cm



Heat Conductometer

Art No:H001.03



Bimetal Strip

Art No:	Material	Handle	Metal Part Size
H002.01	Cu & Fe	Plastic	3.5x20cm
H002.02	Cu & Fe	Plastic	2x21cm
H002.03	Cu & Fe	Plastic	2x21cm
H002.04	Al & Fe	Plastic	2x21cm



Heat Conductometer

Art No:H009



Steam Generator

Art No: H010



Rotation by Steam Demonstrator

Art No: :H011



Ball & Ring Apparatus

Art No: H003.01



Ball & Ring Apparatus

Art No: H003.02



Ball & Ring Apparatus

Art No: H003.03



Ball & Ring Apparatus

Art No: H004



Bar & Gauge

Art No: H005.01
Art No: H005.02



Wind Forming Demonstrator

Art No: H006.01
To demonstrate how the wind forms.



Convection of Gases Apparatus

Art No: H006.02

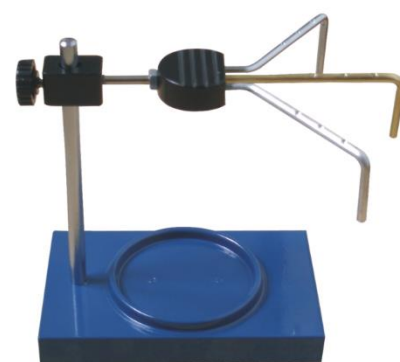
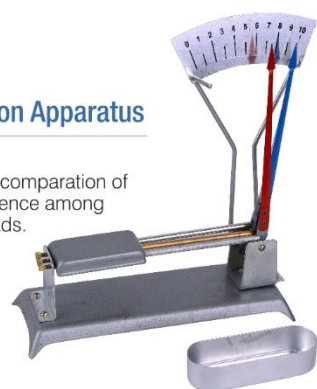


Wind Forming Demonstrator

Art No: H006.03

Linear Expansion Apparatus

Art No: H007
To demonstrate the comparison of the expansion difference among different metal threads.



Heat Conductometer

Art No: H008



Calorimeter, Simple

Art No: H012



Calorimeter Electrical

Art No: H013



Calorimeter Electrical

Art No: H013-P
Outside container plastic



Bimetal Strip Switch

Art No: H014.01



Bimetal Strip Switch

Art No: H014.02



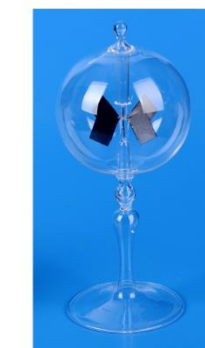
Leslie's Cube

Art No: H015
Metal plate with 130mm sides. The vertical faces of the box are blackened, roughed, vanished and polished respectively. The top is 75mm diameter and is filled with a lid.



Radiometer, Crooks Type

Art No: H016
To convert radiating energy into kinetic energy. Winged cross with 4 mica plates blackened on one side. On a plastic base.



Radiometer, Crooks Type

Art No: H017
To convert radiating energy into kinetic energy. Winged cross with 4 mica plates blackened on one side. On a rotating shaft in an evaluated glass vessel.



Lambrecht's Hydrometer

Art No: H018
To determine the relative humidity of air by dew-point measurement. It has a bright condensing surface encircled by a non-condensing ring. With pumping bulb.



Boyle's Law Apparatus

Art No: H019
With pressure gauge and thermometer
Size: 15x10x20cm



Boyle's Law Apparatus

Art No: H020
With pressure gauge. Acrylic base.



Sun-Earth-Moon Model

Art No: G01002



Solar System Model

Art No: G01003



Anemometer

Art No: G02001



Gas Law Apparatus

Art No: H021
With pressure gauge



Iodine Sublimation & Condensation Demonstrator

Art No: H022



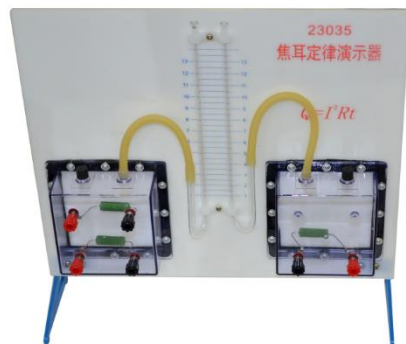
Nitrogen Dioxide Ball

Art No: H023
Size: 175x95x45mm



Hand Boiler

Art No: H024
Size: 175x95x45mm, with ether inside



Joule's Law Apparatus

Art No: H025
To test $Q = I^2 R t$



Radiation Can

Art No: H026
In pair, with rubber stopper 1 hole, includes 2 thermometers
Size: 175x40 mm diameter



Fire Syringe

Art No: H027
To demonstrate the theory of temperature increasing while air compressed.
Tube diameter 25mm.



Cup Anemometer

Art No: G02002



Cup Anemometer

Art No: G02003



Mini Weather Station

Art No: G02004
It shows rainfall, wind speed and temperature in F and °C.
Size: 180x175x58mm
Material: PS



Barometer

Art No: BAM002
Diameter: 66mm



Barometer

Art No: BAM003
Diameter: 70mm



Barometer

Art No: BAM004
Upper Diameter: 95mm



Barometer

Art No: BAM005
Diameter: 100mm



Barometer

Art No: BAM001
Diameter: 180mm



Barometer

Art No: BAM006
Diameter: 100mm



Barometer

Art No: BAM007
Diameter: 100mm



Barometer

Art No: BAM008
Diameter: 130mm



Barometer

Art No: BAM009
Diameter: 130mm



Barometer

Art No: BAM010
Diameter:130mm



Barometer

Art No: BAM011
Upper Diameter:118mm
Base Diameter:145mm



Barometer

Art No: BAM012
Upper Diameter:120mm
Base Diameter:145mm



Barometer

Art No: BAM013
Diameter:180mm



Barometer

Art No: BAM014
Diameter:180mm



Barometer

Art No: BAM015
Upper Diameter:130mm
Base Diameter:180mm



Barometer

Art No: BAM016
Upper Diameter:130mm
Base Diameter:180mm



Barometer

Art No: BAM017
Upper Diameter:160mm
Base Diameter:204mm



Professional Weather Station with Solar Sensor

Art No: G02007

Specifications:

- RCC receiver:DCF & WWVB
- Time alarm with snooze & weather alarm
- 433MHz wireless receiver
- Indoor temperature range:0°C to +50°C
- Outdoor temperature range:-40°C to +60°C
- Temperature accuracy:±1.0°C
- Option of °C/°F
- Indoor humidity range: 20% to 90%
- Outdoor humidity range: 20% to 90%
- Humidity accuracy:±5%
- Wind speed range:0 to 160Km/h
- Wind direction: N, S, W, E, NE, SE, SW, NW
- Rain range:0 to 9,999mm
- Pressure Range:750hpa to 1,100hpa
- Weather forecast
- History
- LED back light
- Low BAT check



Professional Weather Station

Art No: G02005

Specifications:

- 1) Outdoor temperature range: -40.0°C to + 65.0°C (-40°F to +149°F)
 - 2) Indoor temperature range: 0°C to + 50.0°C (32°F to +122°F)
 - 3) Humidity range: 10% to 99% (1% resolution)
 - 4) Rain volume display: 0 - 9999mm (show OFL if outside range)
Resolution : 0.3mm (if rain volume < 1000mm)
1mm (if rain volume > 1000mm)
 - 5) Wind speed: 0-100mph (show OFL if outside range)
 - 6) Measuring range air pressure: 27.13inHg - 31.89inHg Resolution : 0.01inHg
 - 7) Alarm duration : 120 sec
 - 8) Transmission range up to 100m (330 feet)
 - 9) Transmission frequency: 433MHz,868MHz(Europe) / 915MHz (North America)
- Set includes:
- 1) Touch screen panel
 - 2) USB port for easy connection to your PC
 - 3) Receiver
 - 4) Four outdoor sensors: thermo-hydro transmitter, wind speed sensor, wind direction sensor and rain sensor



Professional Weather Station with Solar Power

Art No: G02008

433MHz with or w/o RCC Transmission range up to 100meters
868MHZ with or w/o RCC Transmission range up to 100meters

Specifications:

1. indoor temperature: 0°C to +50°C
2. Outdoor temperature range: -40°C to +60°C
3. Temperature accuracy: +/-1.0°C
4. Humidity range: 20%to 90%
5. Humidity accuracy: +/-5%
6. Rain range: 0to,9,999mm
7. Pressure range: 750hpa to 1,100hpa



Professional Weather Station with Solar Power

Art No: G02009

433MHz with or w/o RCC Transmission up to 100meters
USB port for easy connection to PC and upload weather data.

Features:

1. Indoor temperature: 0°C to +50°C
2. Outdoor temperature range: -40°C to +60°C
3. Temperature accuracy:±1.0°C
4. Humidity range: 20% to 90%
5. Humidity accuracy:±5%
6. Rain range:0 to 9,999mm
7. Pressure Range:750hpa to 1,100hpa
8. Wind speed in mph, km/h, m/s, knots, Beaufort, gust.
9. Wind direction (N, S, W, E, NE, SE, SW, NW) display with LCD compass.



Wireless Weather Station with Outdoor Sensor

Art No: G02010

433MHz with or w/o RCC Transmission up to 100meters
USB port for easy connection to PC and upload weather data.

Features:

- Indoor temperature:0°C to +50°C
- Outdoor temperature range: -40°C to +60°C
- Temperature accuracy: +/-1.0°C
- Humidity range: 16% to 99%
- Humidity accuracy: +/-5%